

# Annual Report on Drinkingwater Quality

2016-2017

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# **Key Findings**

This report describes drinking-water quality for all registered networked drinking-water supplies that served populations of more than 100 people (the supplies) from 1 July 2016 to 30 June 2017 (the reporting period), representing 3,815,000 people (the report population). It describes how these supplies met the requirements of the *Drinking-water Standards for New Zealand 2005 (Revised 2008)* (the Standards) and their progress towards meeting the requirements of the Health Act 1956, as amended in 2007 (the Act).

In any comparison of achievement or compliance between the reporting period and the previous reporting period of 1 July 2015 to 30 June 2016, this report will refer to them as the current period and the previous period, respectively.

To meet the overall requirements of the Standards, a supply must meet the bacteriological, protozoal and chemical standards. Overall, 81.1 percent of New Zealanders (3,094,000 people) were on the supplies received drinking-water that met all requirements of the Standards in the current period. This represents a 1.1 percentage point improvement compared with the previous period.

Drinking-water that achieved the bacteriological standards was received by 96.2 percent of the report population (3,669,000 people) during the current period, which is a decrease of 1.4 percentage points compared with the previous period. Protozoal achievement increased by 1.1 percentage points from 82.0 percent to 83.1 percent (3,170,000 people), while chemical achievement decreased by 1.2 percentage points from 98.4 percent to 97.2 percent (3,709,000 people).

The Act groups drinking water supplies into supply size categories according to population served. The four supply size categories used in this report are large (more than 10,000 people), medium (5,001 to 10,000), minor (501 to 5,000) and small (101 to 500 people).

Achievement against the Standards was generally highest for the large supplies and decreased progressively through medium, minor and small population size categories. This pattern was also observed for protozoal achievement, but minor supplies had a higher rate of achievement for bacteriological standards than medium supplies. Small supplies are not normally required to be assessed for chemical constituents and so gained by default a higher chemical achievement than medium or minor supplies.

While protozoal achievement across all size categories improved in the current period by between 0.2 and 9.2 percentage points compared to the previous period, levels of achievement were lower than bacteriological and chemical achievement. Large supplies achievement on a population basis was 90.1 percent, medium 76.5 percent, minor 52.1 percent and small supplies 34.1 percent.

Except for most small supplies, water suppliers are required to prepare and implement water safety plans. Overall, 97.8 percent of the report population received water from supplies that had started to implement water safety plans, while only 0.2 percent (6,800 people) received water from supplies where plan drafting had not yet commenced. This represents an increase in the proportion of the report population that received water from supplies with a water safety plan being implemented from 92.7 percent in the previous period. A water safety plan remains in force for the lesser of:the time stated in the plan, or five years after being completed, approved or most recently reviewed. All large supplies met this requirement, while in the

previous period 5.4 percent (159,000 people) of population served by large supplies had their plans lapse under the Act through the supplier failing to review or revise them, as required.

The requirement that all medium and minor supplies should now have plans being implemented was not met for supplies providing water to 4.1 percent (12,000 people) of the medium and 9.5 percent (46,000 people) of the minor supply populations served. Plans are not required for most small supplies, but supplies providing water to 71.1 percent (53,800 people) of the population served by small supplies now have plans that have been approved or are being implemented.

During the 1 July 2016 to 30 June 2017 reporting period, a number of other actions were carried out by water suppliers to meet the requirements of the Act.

- Monitoring: Overall, supplies serving 97.1 percent of the report population met the monitoring requirements of the Standards, compared with 97.6 percent in the previous period. Achievement against the *Escherichia coli* and chemical monitoring requirements of the Standards ranged from 97.9 percent for people receiving water from large supplies, to 86.2 percent for people receiving water from small supplies.
- Provision of drinking water: Overall, supplies serving 91.5 percent of the report population met the requirement for provision of drinking water and notification of interruptions during the reporting period. All but four large supplies, all medium supplies, and all but one minor supply met this requirement. This was a 6.1 percentage point decrease compared with the previous period.
- Source protection: Overall, supplies serving 99.4 percent of the report population met this requirement, compared with 99.5 percent in the previous period. Nine minor and 19 small supplies did not meet this requirement.
- Records: Adequate records were maintained for supplies providing water to more than 99.8 percent of the report population, including all large, medium and all but one minor supplies. In most cases, small supplies are not required by the Act to keep records, but supplies for 96.1 percent of the small supply population did so.
- Complaints: Water suppliers investigated all of the complaints they received concerning the drinking-water they supplied to the report population, except for one minor and 14 small supplies, serving a total of 5,400 people.
- Remedial action: Almost all water suppliers undertook immediate remedial action in response to transgressions of the Standards. Water suppliers did not take remedial action, when necessary, in one medium, 10 minor and 16 small supplies, which together served 0.6 percent of the report population. During the previous reporting period, 11 minor and 14 small supplies, serving 0.6 percent of the report population, did not take remedial action when necessary.

Water suppliers are moving towards a more proactive approach to protecting public health. In general, the larger supplies have a greater level of compliance than smaller supplies. More progress is needed to meet water safety plan requirements for medium and minor supplies.

# 1. Introduction

This report describes drinking-water quality for all registered networked drinking-water supplies that served populations of more than 100 people (the supplies) from 1 July 2016 to 30 June 2017 (the reporting period), representing 3,815,000 people (the report population). It describes how drinking-water supplies met the requirements of the *Drinking-water Standards for New Zealand 2005 (Revised 2008)* (the Standards) and their progress towards meeting the requirements of the Health Act 1956, as amended in 2007 (the Act).

In addition, the report meets the requirement under the Act for the Director-General of Health to prepare and publish a report on drinking-water each year, which includes information about the quality of drinking-water, achievement against the Standards and compliance of drinking-water suppliers with the Act.

The Act groups drinking water supplies into supply size categories according to population served. The four supply size categories used in this report are large (more than 10,000 people), medium (5001 to 10,000), minor (501 to 5000), and small (101 to 500 people).

This report describes the methods used to gather the data and the caveats on the data and its interpretation. The report then presents findings regarding achievement against the Standards and meeting the legislative requirements of the Act for the large, medium, minor and small size categories of drinking-water supplies. These findings are followed by a discussion and an interpretation of the findings. Information on the use of disinfection and secure bore water is also provided.

# 2. Methods

Information on drinking-water quality was obtained from drinking-water assessors employed by district health board public health units, using questionnaires that sought data relating to water supply quality, monitoring and management. The information was collected at the level of the distribution zone, that is, the quality of water supplied to consumers.

Two surveys were used to gather information from registered networked drinking-water supplies that served populations of more than 100 people during the reporting period. The first survey sought information about the microbiological and chemical quality of the drinking-water, water treatment processes in use, the means used to demonstrate achievement against the Standards, and the status of water safety plans. This survey utilised the online Water Information New Zealand (WINZ) database.

The second survey sought information relating to the management of the supplies by drinkingwater suppliers, in terms of the requirements of the Act that apply to water suppliers. A spreadsheet was designed to collect the information and was completed by drinking-water assessors, in discussion with drinking-water suppliers. The completed spreadsheets were returned to ESR for compilation and analysis.

The following caveats apply for the purposes of data interpretation:

- The term 'water supply' in this report refers to a distribution zone, which is all or part of a reticulated supply for which the water is expected to be of consistent quality throughout. While smaller supplies usually have a single distribution zone, larger communities may have two or more. Size groupings of supplies are therefore based on the population served by each distribution zone.
- The report includes all registered networked drinking-water supply distribution zones that served more than 100 people during the reporting period, based on the information contained in the WINZ database as at 30 June 2017.
- The population statistics in this report are calculated from the distribution zone populations as recorded in WINZ. These zone populations are estimates, reassessed from time to time by each supplier.
- Population figures in this report are rounded to the nearest thousand, except when they are less than 10,000 or refer to small water supplies. In those cases, they are rounded to the nearest hundred.
- A small number of networked water supplies may be misclassified as self-supplies and vice versa. Apparent discrepancies (for example, where the name of a distribution zone does not seem to fit the supply classification) have been queried with the drinking-water assessors and corrected if necessary.
- For the purposes of the Standards' achievement statistics, supplies that met the Standards part-way through the reporting period, as a result of improving treatment processes or monitoring programmes, have been considered to have met requirements for that aspect. These supplies can be identified in Appendix 2.
- Protozoal achievement is assessed only at the treatment plant. Because this report is distribution zone-based, a zone was determined to achieve the protozoal standards if all

treatment plants supplying the zone during the reporting period achieved the protozoal standards.

- Bacteriological monitoring and achievement was assessed solely for the distribution zones in this report, on the basis that this best represents the water quality as received by consumers. In most cases, water suppliers are also required to assess bacteriological achievement at the treatment plant.
- Chemical monitoring is assessed at either the treatment plant or the zone, depending upon which supply component the chemical is assigned to as a Priority 2 determinand.<sup>1</sup> In this report, chemical achievement is determined for each zone by considering all Priority 2 determinand assessments for the zone and for any contributing plants.
- Overall adequacy of monitoring has been assessed on the basis of *Escherichia coli* monitoring in the zone and chemical monitoring. There is no requirement in the Standards to directly monitor for protozoa.
- Zones were designated as receiving disinfected water if their contributing plants used disinfection processes on a routine basis throughout the year, or as part of their normal routine from a particular time in the year onwards. Plants were excluded from this grouping if they were disinfected only for a short period in response to an event.
- At least five weeks were allocated for the information gathering period, starting on 1 July 2017. Where a drinking-water supplier did not respond to a drinking-water assessor's requests for information, or responded after the agreed period had closed, then their zones were marked as non-compliant in this report. However, almost all suppliers responded within the agreed period.
- Acceptable answers to the questions about meeting legislative requirements were simply 'yes' and 'no' for each requirement.
- Percentage figures used for achievement against the Standards and meeting the requirements of the Act were calculated using the populations in the zones as reported in the WINZ survey.
- All percentage figures in this report are rounded. Accordingly, totals may not always add up to 100 percent, and reported differences between two percentage figures may differ slightly from that expected from the figures shown.
- Changes in rates of achievement or compliance between reporting periods are primarily expressed in terms of percentage point changes, which is the arithmetic difference between two rates.
- Changes in affected supply population between reporting periods are expressed as the difference between the current and previous reported populations.

Data quality assurance was built into all stages of the process, from data collection to reporting. A number of checks, including integrity checks, peer reviewing and duplicate analyses, were employed to ensure that the data reported reflected the information collected by the surveys.

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<sup>&</sup>lt;sup>1</sup> Chemical substances or determinands that are present in the water leaving the treatment plant or in the distribution zone at potentially health-significant concentrations (usually greater than 50 percent of their maximum acceptable value) must be monitored to confirm that they meet the Standards. These chemicals are known as Priority 2 determinands. Where a supply has no Priority 2 determinands assigned, because the supply has not been assessed for that chemical, the safety of the supply with respect to chemical determinands is uncertain. The relative softness of New Zealand's water sources results in a general tendency for its drinking-waters to dissolve metals from plumbing fittings, a property termed plumbosolvency. All drinking-waters are designated as plumbosolvent unless the water supplier can show they are not. Metals arising from plumbosolvency do not have to be monitored, provided the public is advised to flush their taps before drawing water for consumption.

Additional checks of the data were made by the drinking-water assessors and water suppliers, who reviewed drafts of the zone-level data reported in the appendices.

Overall, there was a higher level of quality assurance for information collected in the WINZ survey, assessing achievement against the Standards, than for the survey assessing achievement against the requirements of the Act. This is due to the robust design of the WINZ survey module and its associated tools, providing almost real-time data integrity checking.

# 3. Findings

This report covers 661 registered networked drinking-water zones supplying water to the report population during the reporting period. Each zone served 101 people or more.

Table 1 summarises achievement against the Standards for the reporting period. Table 2 compares this achievement with overall results for the previous (1 July 2015 to 30 June 2016) period. These are followed by more detailed comparisons in Tables 3 to 5, which examine bacteriological, protozoal and chemical achievement by water supply size category, and by Table 6, which summarises chemical achievement for individual determinands.

The status of water safety plans is presented in Tables 7 to 9, while Tables 10 to 12 summarise the extent to which water supplies met the legislative requirements of the Act.

Table 13 summarises information on the use of disinfection and secure bore water.

Detailed results of drinking-water quality monitoring, Standards achievement and the meeting of legislative requirements for individual water supplies are shown in Appendices 1 to 4. Appendix 5 includes detailed information about plant and source water characteristics.

# 3.1 Achievement against the Standards

All suppliers in this report were assessed against the main sections of the Standards, except for 28 small zones (serving 6,700 people) that were assessed against Section 10 of the Standards, and 24 small zones (4,800 people) where the supplier identified that they had not attempted to achieve the Standards.

Microbiological achievement is based on two main microbiological reference organisms, *Escherichia coli* (*E. coli*) and *Cryptosporidium*. Bacteriological achievement is determined primarily using *E. coli* monitoring, whereas protozoal achievement is based on monitoring the effectiveness of the treatment processes used to remove or inactivate *Cryptosporidium*.

Chemical achievement was assessed for those supplies that have been identified as containing chemicals that require monitoring (known as Priority 2 determinands). A water supply is assessed as achieving if it has no Priority 2 determinands, or if it has been adequately monitored and any Priority 2 chemicals present are shown to be within acceptable levels<sup>2</sup>.

<sup>&</sup>lt;sup>2</sup> The concentration of any determinand (chemical or microbiological) must not exceed the Maximam Acceptabel Value (MAV) for that determinand more often than permitted. In the case of a determinand exceeding the MAV, remedial actions need to be carried out.

#### Table 1: Achievement against the Standards from 1 July 2016 to 30 June 2017

Percentages are for population served.

#### 1a Achievement in All Supplies

3,815,000 people in 661 zones.

	Population	Percentage	Zones
Bacteriological achievement	3,669,000	96.2%	555
Protozoal achievement	3,170,000	83.1%	307
Chemical achievement	3,709,000	97.2%	633
Overall achievement	3,094,000	81.1%	287

#### **1b** Achievement in Large Zones

2,957,000 people in 74 zones, each with over 10,000 people. Serves 78% of the report population.

	Population	Percentage	Zones
Bacteriological achievement	2,895,000	97.9%	70
Protozoal achievement	2,665,000	90.1%	61
Chemical achievement	2,894,000	97.9%	72
Overall achievement	2,615,000	88.4%	60

#### 1c Achievement in Medium Zones

295,000 people in 41 zones, each with 5001 to 10,000 people. Serves 8% of the report population.

	Population	Percentage	Zones
Bacteriological achievement	264,000	89.3%	36
Protozoal achievement	226,000	76.5%	31
Chemical achievement	282,000	95.4%	39
Overall achievement	214,000	72.5%	29

#### 1d Achievement in Minor Zones

487,000 people in 257 zones, each with 501 to 5000 people. Serves 13% of the report population.

	Population	Percentage	Zones
Bacteriological achievement	451,000	92.5%	229
Protozoal achievement	254,000	52.1%	121
Chemical achievement	459,000	94.2%	239
Overall achievement	242,000	49.6%	113

#### 1e Achievement in Small Zones

75,600 people in 289 zones, each with 101 to 500 people. Serves 2% of the report population.

	Population	Percentage	Zones
Bacteriological achievement	60,000	79.4%	220
Protozoal achievement	25,800	34.1%	94
Chemical achievement	73,900	97.7%	283
Overall achievement	23,800	31.5%	85

Population figures are rounded to the nearest thousand (nearest hundred for small zones).

# 3.2 Compliance with the Act

The following four sections consider compliance with the Act for drinking-water supplies, during the reporting period of 1 July 2016 to 30 June 2017, according to the population size of the zones: large (more than 10,000 people), medium (5,001–10,000), minor (501–5,000) and small (101–500).

# 3.2.1 Large water supplies (more than 10,000 people)

In New Zealand, large water supplies provided drinking-water to 2,957,000 people in 74 distribution zones during the reporting period of 1 July 2016 to 30 June 2017. This is 78 percent of the people covered by this report.

## a. Meeting the drinking-water Standards

Large drinking-water suppliers must take all practicable steps to comply with the Standards. **Attainment:** For people receiving water from large supplies:

- 88.4% received water fully meeting the Standards (2,615,000 people in 60 zones)
- 97.9% received water meeting the bacteriological Standards (2,895,000 people in 70 zones)
- 90.1% received water meeting the protozoal Standards (2,665,000 people in 61 zones)
- 97.9% received water meeting the chemical Standards (2,894,000 people in 72 zones).

## b. Monitoring requirements in the Standards

Large drinking-water suppliers must meet the monitoring requirements in the Standards. **Attainment:** For people receiving water from large supplies:

- 97.9% received water fully meeting monitoring requirements (2,895,000 people in 70 zones)
- 98.3% received water with adequate *E. coli* monitoring (2,908,000 people in 71 zones)
- 99.6% received water with adequate chemical monitoring (2,944,000 people in 73 zones).

### c. Water safety plans

Large drinking-water suppliers must provide water safety plans for their water supplies. The supplier must have begun to implement the plan within one month of it being approved, and must review its contents within every five year period.

Attainment: For people receiving water from large supplies:

• 100% received water meeting legislative requirements by having a water safety plan for which implementation had commenced.

## d. Provision of drinking-water

Large drinking-water suppliers must take all practicable steps to ensure an adequate supply of drinking-water is provided to each point of supply. Interruptions may occur for planned maintenance, improvements or for emergency repairs. However, if the interruptions are likely to exceed eight hours, the water supplier needs to have prior approval from the medical officer of health and to have taken all practicable steps to warn affected people. If the supply is interrupted in an emergency, the supplier has up to 24 hours to inform the medical officer of health.

Attainment: For people receiving water from large supplies:

• 89.2% received an adequate supply of water with appropriate notification of any interruptions (2,638,000 people in 70 zones).

#### e. Source protection

Large drinking-water suppliers must take reasonable steps to protect their water sources from contamination and pollution. These steps may include making submissions on district plans, resource consent applications or sanitary service assessments. Source protection may also include contributing to catchment management.

Attainment: For people receiving water from large supplies:

• 100% received water with appropriate source protection activities undertaken.

#### f. Records

Large drinking-water suppliers must keep records of their water supplies to enable a drinkingwater assessor to ascertain whether the water supplier is meeting the requirements of the Act. **Attainment:** For people receiving water from large supplies:

100% received water with adequate records kept.

#### g. Complaints

Large drinking-water suppliers must record and investigate complaints about their water supplies.

Attainment: For people receiving water from large supplies:

• 100% received water with all complaints recorded and investigated.

#### h. Remedial action

Large drinking-water suppliers must take remedial action if their water supply does not meet the Standards.

Attainment: For people receiving water from large supplies:

• 100% received water with adequate remedial action taken.

# 3.2.2 Medium water supplies (5,001 to 10,000 people)

In New Zealand, medium water supplies provided drinking-water to 295,000 people in 41 distribution zones during the reporting period of 1 July 2016 to 30 June 2017. This is eight percent of the people covered by this report.

### a. Meeting the drinking-water Standards

Medium drinking-water suppliers must take all practicable steps to comply with the Standards. **Attainment:** For people receiving water from medium supplies:

- 72.5% received water fully meeting the Standards (214,000 people in 29 zones)
- 89.3% received water meeting the bacteriological Standards (264,000 people in 36 zones)
- 76.5% received water meeting the protozoal Standards (226,000 people in 31 zones)
- 95.4% received water meeting the chemical Standards (282,000 people in 39 zones).

# b. Monitoring requirements in the Standards

Medium drinking-water suppliers must meet the monitoring requirements in the Standards. **Attainment:** For people receiving water from medium supplies:

- 95.4% received water fully meeting monitoring requirements (282,000 people in 39 zones)
- 98.0% received water with adequate *E. coli* monitoring (289,000 people in 40 zones)
- 97.4% received water with adequate chemical monitoring (288,000 people in 40 zones).

### c. Water safety plans

Medium drinking-water suppliers must provide water safety plans for their water supplies. The supplier must have begun to implement the plan within one month of it being approved, and must review its contents within every five-year period.

Attainment: For people receiving water from medium supplies:

- 100% received water for which a water safety plan was approved, or where implementation has commenced
- 4.1% received water for which water safety plans were approved, but were not yet being implemented (12,000 people in two zones)
- 95.9% received water which met legislative requirements by having a water safety plan where implementation had commenced (283,000 people in 39 zones).

## d. Provision of drinking water

Medium drinking-water suppliers must take all practicable steps to ensure an adequate supply of drinking-water is provided to each point of supply. Interruptions may occur for planned maintenance, improvements or for emergency repairs. However, if the interruptions are likely to exceed eight hours, the water supplier needs to have prior approval from the medical officer of health and to have taken all practicable steps to warn affected people. If the supply is interrupted in an emergency, the supplier has up to 24 hours to inform the medical officer of health.

Attainment: For people receiving water from medium supplies:

• 100% received an adequate supply of water with appropriate notification of any interruptions.

#### e. Source protection

Medium drinking-water suppliers must take reasonable steps to protect their water sources from contamination and pollution. These steps may include making submissions on district plans, resource consent applications or sanitary service assessments. Source protection may also include contributing to catchment management.

Attainment: For people receiving water from medium supplies:

• 100% received water with appropriate source protection activities.

#### f. Records

Medium drinking-water suppliers must keep records of their water supplies to enable a drinking-water assessor to ascertain whether the water supplier is meeting the requirements of the Act.

Attainment: For people receiving water from medium supplies:

• 100% received water with adequate records kept.

#### g. Complaints

Medium drinking-water suppliers must record and investigate complaints about their water supplies.

Attainment: For people receiving water from medium supplies:

• 100% received water with all complaints recorded and investigated.

#### h. Remedial action

Medium drinking-water suppliers must take remedial action if their water supply is not meeting the Standards.

Attainment: For people receiving water from medium supplies:

• 98.0% received water with adequate remedial action taken (289,000 people in 40 zones).

# 3.2.3 Minor water supplies (501 to 5,000 people)

In New Zealand, minor water supplies provided drinking-water to 487,000 people in 257 distribution zones during the reporting period of 1 July 2016 to 30 June 2017. This is 13 percent of the people covered by this report.

### a. Meeting the drinking-water Standards

Minor drinking-water suppliers must take all practicable steps to comply with the Standards. **Attainment:** For people receiving water from minor supplies:

- 49.6% received water fully meeting the Standards (242,000 people in 113 zones)
- 92.5% received water meeting the bacteriological Standards (451,000 people in 229 zones)
- 52.1% received water meeting the protozoal Standards (254,000 people in 121 zones)
- 94.2% received water meeting the chemical Standards (459,000 people in 239 zones).

# b. Monitoring requirements in the Standards

Minor drinking-water suppliers must meet the monitoring requirements in the Standards. **Attainment:** For people receiving water from minor supplies:

- 95.0% received water fully meeting monitoring requirements (463,000 people in 240 zones)
- 96.7% received water with adequate *E. coli* monitoring (471,000 people in 246 zones)
- 97.6% received water with adequate chemical monitoring (476,000 people in 249 zones).

### c. Water safety plans

Minor drinking-water suppliers must provide water safety plans for their water supplies. The supplier must begin to implement the plan within one month of it being approved, and must review its contents within every five year period.

Attainment: For people receiving water from minor supplies:

- 0.1% received water for which no water safety plan was started (600 people in 1 zone)
- 0.9% received water for which water safety plans were being drafted (4,000 people in 3 zones)
- 4.5% received water for which water safety plans were submitted or being redrafted (22,000 people in 8 zones)
- 4.0% received water for which water safety plans had been approved, but were not yet being implemented (20,000 people in 12 zones)
- 90.5% received water which met legislative requirements by having a water safety plan where implementation had commenced (441,000 people in 233 zones).

## d. Provision of drinking water

Minor drinking-water suppliers must take all practicable steps to ensure an adequate supply of drinking-water is provided to each point of supply. Interruptions may occur for planned maintenance, improvements or for emergency repairs. However, if the interruptions are likely to exceed eight hours, the water supplier needs to have prior approval from the medical officer of health and to have taken all practicable steps to warn affected people. If the supply is interrupted in an emergency, the supplier has up to 24 hours to inform the medical officer of health.

Attainment: For people receiving water from minor supplies:

• 99.4% received an adequate supply of water with appropriate notification of any interruptions (484,000 people in 256 zones).

#### e. Source protection

Minor drinking-water suppliers must take reasonable steps to protect their water sources from contamination and pollution. These steps may include making submissions on district plans, resource consent applications or sanitary service assessments. Source protection may also include contributing to catchment management.

Attainment: For people receiving water from minor supplies:

• 96.1% received water with appropriate source protection activities undertaken (468,000 people in 248 zones).

#### f. Records

Minor drinking-water suppliers must keep records of their water supplies to enable a drinkingwater assessor to ascertain whether the water supplier is meeting the requirements of the Act. **Attainment:** For people receiving water from minor supplies:

• 99.4% received water with adequate records kept (484,000 people in 256 zones).

#### g. Complaints

Minor drinking-water suppliers must record and investigate complaints about their water supplies.

Attainment: For people receiving water from minor supplies:

• 99.4% received water with all complaints recorded and investigated (484,000 people in 256 zones).

#### h. Remedial action

Minor drinking-water suppliers must take remedial action if their water supply is not meeting the Standards.

Attainment: For people receiving water from minor supplies:

• 97.5% received water with adequate remedial action taken (475,000 people in 247 zones).

# 3.2.4 Small water supplies (101 to 500 people)

In New Zealand, small water supplies provided drinking-water to 75,600 people in 289 distribution zones during the reporting period of 1 July 2016 to 30 June 2017. This is two percent of the people covered by this report.

## a. Meeting the drinking-water Standards

Small drinking-water suppliers must take all practicable steps to comply with the Standards. **Attainment:** For people receiving water from small supplies:

- 31.5% received water fully meeting the Standards (23,800 people in 85 zones)
- 79.4% received water meeting the bacteriological Standards (60,000 people in 220 zones)
- 34.1% received water meeting the protozoal Standards (25,800 people in 94 zones)
- 97.7% received water meeting the chemical Standards (73,900 people in 283 zones).

# b. Monitoring requirements in the Standards

Small drinking-water suppliers must meet the monitoring requirements in the Standards. **Attainment:** For people receiving water from small supplies:

- 86.2% received water fully meeting monitoring requirements (65,200 people in 241 zones)
- 86.8% received water with adequate *E. coli* monitoring (65,600 people in 242 zones)
- 99.5% received water with adequate chemical monitoring (75,200 people in 288 zones).

# c. Water safety plans

Small drinking-water suppliers are exempt from the general duty to prepare and implement a water safety plan, unless required to do so by a medical officer of health. However, they may elect to meet the requirements of section 10 of the Standards, in which case a water safety plan must be in the process of being implemented.

Attainment: For people receiving water from small supplies:

- 8.2% received water for which no water safety plan was started (6200 people in 27 zones)
- 10.8% received water for which water safety plans were being drafted (8100 people in 35 zones)
- 10.0% received water for which water safety plans had been submitted or were being redrafted (7600 people in 28 zones)
- 5.7% received water for which water safety plans had been approved, but were not yet being implemented (4,300 people in 15 zones)
- 65.4% received water for which water safety plan implementation had commenced (49,400 people in 184 zones).

For the 6700 people in 28 zones receiving water from supplies that elected to meet the requirements of section 10 of the Standards, 100% received water where plan implementation had commenced.

# d. Provision of drinking water

Small drinking-water suppliers must take all practicable steps to ensure an adequate supply of drinking-water is provided to each point of supply. Interruptions may occur for planned maintenance, improvements or for emergency repairs. However, if the interruptions are likely to exceed eight hours, the water supplier needs to have prior approval from the medical officer of health and to have taken all practicable steps to warn affected people. If the supply is interrupted in an emergency, the supplier has up to 24 hours to inform the medical officer of health.

Attainment: For people receiving water from small supplies:

• 95.3% received an adequate supply of water with appropriate notification of any interruptions (72,100 people in 271 zones).

#### e. Source protection

Small drinking-water suppliers must take reasonable steps to protect their water sources from contamination and pollution. These steps may include making submissions on district plans, resource consent applications or sanitary service assessments. Source protection may also include contributing to catchment management.

Attainment: For people receiving water from small supplies:

• 94.8% received water with appropriate source protection activities undertaken (71,700 people in 270 zones).

#### f. Records

Small drinking-water suppliers are not required by the Act to keep records, except if they are required to implement a water safety plan. However, record keeping is required to prove achievement against the Standards.

**Attainment:** For people receiving water from small supplies:

• 96.1% received water with adequate records kept (72,700 people in 275 zones).

#### g. Complaints

Small drinking-water suppliers must record and investigate complaints about their water supplies.

Attainment: For people receiving water from small supplies:

• 96.6% received water with all complaints recorded and investigated (73,000 people in 275 zones).

### h. Remedial action

Small drinking-water suppliers must take remedial action if their water supply is not meeting the Standards.

Attainment: For people receiving water from small supplies:

• 94.5% received water with adequate remedial action taken (71,500 people in 273 zones).

# 4. Interpretation and discussion

# 4.1 Introduction

The Act aims to protect public health by ensuring that communities are provided with a safe, wholesome and adequate supply of drinking-water. The Act uses risk management concepts to promote proactive measures including water safety plans and appropriate monitoring of drinking-water quality. This monitoring demonstrates the extent to which water quality parameters remain below maximum acceptable values and, by implication, the effectiveness of the water safety plans.

This section discusses bacteriological, protozoal and chemical achievement against the Standards, progress in water safety plan preparation and use, and the public health significance of these findings. The discussion also considers achievement in terms of size category of supply and the extent to which other requirements of the Act were met during the reporting period.

In considering the public health significance of maximum acceptable value exceedences reported from monitoring, greater discussion is provided for chemical than microbiological results. This reflects the broader range of chemicals that are monitored, compared with microbiological organisms. Chemicals of concern are measured directly and the quantitative toxicological basis for their maximum acceptable values is usually known. In contrast, microbiological achievement is based on the detection of indicator organisms, combined with assessing barriers to contamination, rather than measuring the concentrations of disease-causing microorganisms in the water.

Following the trend in New Zealand's population growth, each Annual Report typically covers a slightly higher supply population than each previous report. For the current reporting period, the estimated report population of 3,815,000 is 0.6 percent, or 24,000 people, higher than the previous report population.

The supply population within each size category can also vary independently of national trends. A growing or declining population in a supply can move it from one size category to another, as could supply amalgamations or restructuring. For the current period, the population served by large supplies increased by 0.3 percent (10,000 people), the population served by medium supplies increased by 5.4 percent (15,000 people), the population served by minor supplies decreased by 0.5 percent (2,200 people) and the population served by small supplies increased by 1.4 percent (1,000 people).

# 4.2 Overall achievement against the Standards

Overall achievement against the Standards requires a water supply to meet the requirements for bacteriological, protozoal and chemical Standards. During the reporting period, 81.1 percent of the population receiving water from registered networked drinking-water supplies serving more than 100 people received drinking-water from fully-achieving water supplies. This is a 1.1 percentage point improvement on the previous 2015/16 period, when 80.0 percent of the report population received water from fully-achieving water supplies.

Table 2 shows the proportion of population that received drinking-water from fully achieving supplies during the current and previous reporting periods.

Reporting Year:	2016–2017	2015-2016	Change*
Report population	3,815,000	3,791,000	
Bacteriological achievement	96.2%	97.6%	-1.4%
Protozoal achievement	83.1%	82.0%	+1.1%
Chemical achievement	97.2%	98.4%	-1.2%
Overall achievement	81.1%	80.0%	+1.1%

**Table 2:** Achievement against the Standards between reporting periodsPercentages are for population served.

Percentages are rounded to one decimal place and populations rounded to the nearest thousand.

\* A positive change represents an improvement in achievement.

Overall, in terms of supply population, chemical achievement was highest, followed by bacteriological and then protozoal achievement.

Compared with the previous period, bacteriological achievement decreased by 1.4 percentage points, protozoal achievement increased by 1.1 percentage points and chemical achievement decreased by 1.2 percentage points. The population receiving drinking-water with bacteriological achievement has decreased by 30,000 people, protozoal achievement has increased by 62,000 people, and chemical achievement has decreased by 23,000 people.

The Standards specify the water quality standards that all drinking-water supplies must achieve. It is possible to fail to meet the Standards due to technical failures,<sup>3</sup> such as inadequate sampling,<sup>4</sup> or because of failures that are a direct public health concern,<sup>5</sup> such as exceeding the maximum acceptable value of a determinand such as *Escherichia coli*.

Exceedence of a microbiological maximum acceptable value is generally of greater immediate concern than the exceedence of a chemical maximum acceptable value, because of the timescales over which their adverse effects are likely to be experienced. Pathogens can cause acute illness, following a single contamination event, while most chemicals of concern, unless present at extraordinarily high concentrations, will result in effects only after long term exposure. For these reasons, immediate remedial action is more important in response to microbiological exceedences than chemical.

<sup>&</sup>lt;sup>3</sup> Failure to achieve for protozoal requirements can only be due to a technical failure, as routine measurement of protozoa in treated water is currently impracticable.

<sup>&</sup>lt;sup>4</sup> Inadequate number of samples, sampled on too few days of the week and/or sampling exceeded the maximum number of days between samples.

<sup>&</sup>lt;sup>5</sup> Reasons for bacteriological failure of direct public health concern include an excessive number of transgressions, inadequate corrective action following a transgression of the maximum acceptable value and/or no monitoring.

# 4.3 Bacteriological achievement against the Standards

During the reporting period, 96.2 percent (3,669,000 people) of the report population were supplied with drinking-water that met the bacteriological requirements of the Standards (Table 1). Bacteriological achievement was achieved for supplies providing water to 97.9 percent of people in large zones, 89.3 percent in medium zones, 92.5 percent in minor zones and 79.4 percent in small zones. This may reflect the increasing per capita cost of effective bacteriological treatment as supply population size decreases.

The net 1.4 percentage point<sup>6</sup> decrease in bacteriological achievement arose from the overlapping contributions of several factors. In terms of the report population, there was a:

- 0.2 percentage point increase in people receiving water with an excessive number of transgressions, and
- 0.2 percentage point increase in people receiving water with ineffective, delayed or unreported remedial action following a transgression, and
- 0.8 percentage point increase in people receiving water from inadequately monitored supplies.

The first reason for non-achievement, 'excessive transgressions', potentially puts public health at risk, as does the second, a lack of immediate and appropriate remedial action. In comparing reporting periods, the percentage of people receiving water from supplies with inadequate remedial action following a bacteriological transgression has increased from 0.2 to 0.4 percent.

The third reason, a decrease in adequate monitoring, indicates that less sampling is being carried out in accordance with the Standards. This is a technical, rather than a public health measure and is separate from a consideration of supplies with excessive bacteriological transgressions or inadequate remedial action.

Percentages are for population served.							
	Reporting Year:	2016–2017	2015–2016	Change*			
Large zones		97.9%	99.2%	-1.3%			
Medium zones		89.3%	100%	-10.7%			
Minor zones		92.5%	89.6%	+2.9%			
Small zones		79.4%	77.8%	+1.5%**			
All supplies		96.2%	97.6%	-1.4%			

Percentages are rounded to one decimal place.

\* A positive change represents an improvement in achievement.

Supply zone size: Large: Over 10,000 Medium: 5001–10,000 Minor: 501–5000 Small: 101–500

\*\* Values are calculated using full-precision data rather than rounded figures from adjacent columns.

As in the previous period, all supplies used Ministry of Health recognised laboratories for *E. coli* monitoring. Using a recognised laboratory is required for the results of any drinking water analysis to be accepted.

Table 3 shows that bacteriological achievement has decreased for populations served by large (-1.3 percentage points) and medium (-10.7 percentage points) water supplies, but has increased

<sup>&</sup>lt;sup>6</sup> Values are calculated using full-precision data rather than rounded figures from adjacent text.

for populations served by minor (+2.9 percentage points) and small (+1.5 percentage points) water supplies.

Approximately 3.8 percent (146,000 people) of the report population were supplied with drinking-water that failed to achieve the bacteriological requirements of the Standards.<sup>7</sup> The causes of non-achievement and the number of people affected were:

- 1.4 percent (52,000 people) of the report population were served by supplies with excessive numbers of *E. coli* transgressions
- 2.0 percent (75,000 people) of the report population were served by supplies in which *E. coli* was inadequately monitored
- 0.1 percent (5,700 people) of the report population were served by supplies in which *E. coli* monitoring was not carried out
- 0.4 percent (14,000 people) of the report population were served by supplies in which transgressions occurred that were not followed up by immediate remedial action.

Compared with the previous period, none of the changes in affected populations in this list represent improvements. Expressed in terms of the difference between current and previous report population, 31,000 more people were served by supplies where *E. coli* was inadequately monitored; 7,500 more people received water with excessive numbers of *E. coli* transgressions; and 6,300 more people received water for which appropriate remedial action was delayed or unknown. The net result, combined with other minor factors, means that 30,000 fewer people were receiving water that achieved the bacteriological requirements of the Standards in the current period than the previous period.

# 4.3.1 Public health significance of exceedences

The presence of *E. coli* in water indicates that the water has been contaminated with faeces and inadequately treated, or it may result from contamination of the water, during distribution to the community. In either case, although *E. coli* itself may or may not present a threat to public health,<sup>8</sup> its presence means that other faecal pathogens could be present in the water. Although the presence of these pathogenic organisms are not monitored, their possible presence must be assumed and consequently the detection of *E. coli* in the water must be regarded as a significant risk to public health.

As well as indicating a risk to public health, the detection of *E. coli* shows that there has been a failure in the barriers between contaminants and the community. Consequently, all *E. coli* transgressions must be immediately investigated and corrective action implemented. Depending on the result of the investigation, modification of the supply's water safety plan may also be needed.

During the reporting period, 0.4 percent of the report population (14,000 people) were served by one medium, four minor and twelve small supply zones in which *E. coli* transgressions occurred that were not appropriately followed up by immediate remedial action.

<sup>&</sup>lt;sup>7</sup> Some people supplied with water that failed bacteriologically against the Standards fell into more than one of the non-achieving categories, although the proportion of such was low. For example, only 0.1 percent (3800 people) had both excessive transgressions and inadequate monitoring.

<sup>&</sup>lt;sup>8</sup> *Escherichia coli (E. coli)* bacteria normally live in the intestines of humans and animals. Most *E. coli* are harmless but some are pathogenic, causing diarrhoea or other illnesses.

The failure to take appropriate remedial action immediately following an *E. coli* transgression event is a serious cause of concern because of the public health consequences that could follow if the failure coincided with the presence of pathogens in water being delivered to consumers. Taking appropriate steps to reduce exposure to the hazard (such as increased disinfection, closing or changing a water source, or recommending that people boil all drinking-water), decreases the likelihood of consequent waterborne disease. Inadequate remedial action indicates that the water supplier has either failed to recognise this issue or to accept that it poses a potential health risk.

# 4.3.2 Havelock North Outbreak

In August 2016, an outbreak of gastroenteritis in Havelock North resulted in an estimated 5,500 of the town's 14,000 residents becoming ill with campylobacteriosis. Forty-five people were hospitalised and it is believed that the outbreak may have contributed to three deaths.

In September 2016 the government announced an inquiry<sup>9</sup> into the Havelock North water supply contamination incident would be held. The Inquiry reported back in two Stages. Stage 1 of the Inquiry found that contaminated drinking water was the source of the outbreak. Links to the Stage 1 and Stage 2 reports can be found in the footnotes.<sup>10</sup>

In terms of this report and the drinking-water Standards, Havelock North was assessed as meeting the bacteriological requirements for the zone for the reporting period, but not the protozoal requirements. In previous years, Havelock North complied with the protozoal requirements of the Standards on the basis that all source water was classified as secure bore water. However, subsequent to the outbreak, the classification of the groundwater sources as secure bore water was removed. Because there was no treatment process in place to adequately treat the source water, the supply failed the protozoal Standard.

# 4.3.3 Kaikoura Earthquakes

The 7.8 magnitude earthquake in November 2016 caused extensive damage and disruption to drinking-water infrastructure in the North Canterbury regions (Hurunui, Kaikoura and Marlborough). Resulting logistical challenges made it difficult to monitor drinking-water quality of some supplies and repair damage. Precautionary boil water notices were issued due to concerns that drinking-water could be contaminated. At the end of the reporting year District health board's surveillance found no evidence of outbreaks or increase in gastroenteritis.

<sup>9 &</sup>lt;u>https://gazette.govt.nz/notice/id/2016-go5298</u>

 <sup>&</sup>lt;sup>10</sup> Stage 1: <u>https://www.dia.govt.nz/Stage-1-of-the-Water-Inquiry</u>
 Stage 2: <u>https://www.dia.govt.nz/Government-Inquiry-into-Havelock-North-Drinking-Water</u>

# 4.4 Protozoal achievement against the Standards

During the reporting period, 83.1 percent (3,170,000 people) of the report population were supplied with drinking-water that met the protozoal requirements of the Standards (Table 1). There is a clear trend of protozoal achievement against the Standards improving as supply population increases: protozoal achievement on a population basis was achieved for 90.1 percent of people served by large zones, 76.5 percent served by medium zones, 52.1 percent served by minor zones and 34.1 percent served by small zones.

Protozoal achievement between reporting years is summarised in Table 4. Compared with the previous reporting period (1 July 2015 to 30 June 2016), protozoal achievement has improved for large (0.2 percentage points of population served), medium (9.2 percentage points), minor (1.3 percentage points) and small (4.8 percentage points).

However, 13 large supplies failed protozoal achievement, compared with nine in the previous period. Six of the thirteen non-achieving supplies also failed for the previous period, while three large zones serving 111,000 people previously failed, but have now achieved for protozoa. Seven large zones, serving 106,000 people, failed only in the current period.

The 9.2 percentage point improvement for medium supplies included seven zones achieving in the current period while failing in the previous period. Seven of the ten medium zones that failed protozoal achievement for the current period also failed during the previous period.

All protozoal failures to achieve arose from failures in providing or monitoring appropriate plant processes, since protozoa are not monitored directly.

#### Table 4: Protozoal achievement against the Standards between reporting years

	Reporting Year:	2016-2017	2015-2016	Change*
Large zones		90.1%	89.9%	+0.2%
Medium zones		76.5%	67.3%	+9.2%
Minor zones		52.1%	50.7%	+1.3%**
Small zones		34.1%	29.3%	+4.8%
All supplies		83.1%	82.0%	+1.1%

Percentages are for population served.

Percentages are rounded to one decimal place.

\* A positive change represents an improvement in achievement.

\*\* Values are calculated using full-precision data rather than rounded figures from adjacent columns.

Supply zone size: Large: Over 10,000 Medium: 5001–10,000 Minor: 501–5000 Small: 101–500

Protozoal non-achievement does not necessarily mean that pathogenic protozoa (*Giardia* spp. and *Cryptosporidium* spp.) were present in the water. Water suppliers are not required to directly monitor the water for pathogenic protozoa in the reticulated supply. Instead, protozoal achievement is based on the likelihood that the treatment processes in operation will adequately protect the community if pathogenic protozoa are present in the source water. To achieve this, the water supplier must meet two requirements. Firstly, they must either use groundwater meeting the secure bore water criteria of the Standards, or have treatment processes in operation that can remove or inactivate an adequate percentage of any protozoa present in the raw source water. The water supplier must be able to show that they are operating the treatment processes sufficiently well to meet the target percentage protozoal removal or inactivation.

The trend of decreasing protozoal achievement against decreasing supply size is possibly a reflection of the high cost of effective protozoal treatment, which is less able to be borne by smaller communities. It is also possible that the operators of treatment plants supplying smaller communities do not have the same level of expertise as those operating larger systems.

# 4.5 Chemical achievement against the Standards

During the reporting period, 97.2 percent (3,708,000 people) of the report population were supplied with drinking-water that met the chemical requirements of the Standards (Table 1), while 2.8 percent (108,000 people) received water that did not achieve the Standards.

Chemical determinands are not regularly monitored in all supplies, but are assigned as Priority 2 determinands to specific supply components (treatment plants or distribution zones) where treatment or water characteristics indicate levels may approach maximum acceptable values. Chemicals used for disinfection or other treatment processes are not usually assigned as Priority 2 determinands, because resultant water concentrations of those chemicals generally do not approach maximum acceptable values, but nevertheless may require monitoring as part of assessing bacteriological or protozoal achievement. That monitoring is therefore external to the assessment of Priority 2 determinands in this chemical achievement section of the report.

For a zone to achieve the chemical requirements of the Standards, it needs to achieve all chemical determinands assigned to the zone, as well as achieve all chemical determinands assigned to any treatment plant supplying water to that zone.

Comparison of chemical achievement between reporting periods is summarised in Table 5. Compared with the previous period, only minor supplies showed improvement. Overall there was a 1.3 percentage point decrease in chemical achievement, a difference of 24,000 people between reporting periods.

#### Table 5: Chemical achievement against the Standards between reporting years

Percentages are for population served.

	Reporting Year:	2016-2017	2015–2016	Change <sup>*</sup>
Large zones		97.9%	99.5%	-1.6%
Medium zones		95.4%	97.9%	-2.5%
Minor zones		94.2%	92.6%	+1.7%**
Small zones		97.7%	98.0%	-0.4%**
All supplies		97.2%	98.4%	-1.2%

Percentages are rounded to one decimal place.

\* A positive change represents an improvement in achievement.

\*\* Values are calculated using full-precision data rather than rounded figures from adjacent columns.

Supply zone size: Large: Over 10,000 Medium: 5,001–10,000 Minor: 501–5,000 Small: 101–500

Note that the high level of chemical achievement for small supplies arises by default because Priority 2 determinands are usually assigned only to zones with populations exceeding 500.

Table 6 offers a more detailed summary of chemical achievement, listing all determinands assigned. A zone may fail the chemical requirements because of transgressions, from inadequate monitoring, or from both.

During the reporting period, 183 distribution zones supplying 66.1 percent (2,524,000 people) of the report population were assigned one or more chemical determinands. The chemical requirements of the Standards were achieved for water supplied to 95.8 percent (2,417,000) of these people and not achieved for 4.2 percent (106,000 people).

Fluoride was the most commonly assigned chemical, in terms of population served. Fluoride was assigned to supplies for 2,285,000 people, with a 99.1 percent achievement of the chemical requirements of the Standards for this determinand. The next most commonly assigned

chemical determinand was trihalomethanes, assigned to supplies for 87,000 people (93.7 percent achievement), haloacetic acids for 78,000 people (15.5 percent achievement), arsenic for 36,000 people (71.2 percent achievement), nitrate for 39,000 people (100 percent achievement) and lead for 28,000 people (90.5 percent achievement).

ercentages are for population	i served by zones	with the chemic	ai assigned.		
	Population	Population	Percent	Zones	Zones
Chemical	Assigned	Achieved	Achieved	Assigned	Achieved
Antimony	1,000	1,000	100%	1	1
Arsenic	36,000	26,000	71.2%	12	2
Bromodichloromethane	12,000	12,000	100%	3	3
Copper	3,500	1,800	51.4%	3	1
Dichloroacetic acid	10,300	4,900	47.2%	7	2
Fluoride	2,285,000	2,263,000	99.1%	123	120
Haloacetic acids	78,000	12,100	15.5%	14	4
Lead	28,000	26,000	90.5%	12	9
Manganese	600	600	100%	1	1
Nickel	1000	0	0%	1	0
Nitrate	39,000	39,000	100%	12	12
Nitrate and nitrite	3,500	3,500	100%	1	1
Trichloroacetic acid	7,000	2,200	31.7%	6	2
Trihalomethanes	87,000	82,000	93.7%	16	14
All chemicals <sup>#</sup>	2,524,000	2,417,000	95.8%	183	155

Table 6: Achievement for individual chemicals from 1 July 2016 to 30 June 2017

Percentages are for population served by zones with the chemical assigned

Percentages are rounded to one decimal place.

All values are calculated using full-precision data rather than rounded figures from adjacent columns.

# Some zones, with their contributing plants, will have multiple chemicals assigned, so the 'all chemical' row figures may not equal the sum of rows above.

# 4.5.1 Fluoride

Fluoride was added to the drinking-water received by 59.9 percent of the report population (2,285,000 people) in 123 zones.

For fluoridated supplies, 2,263,000 people, served by 120 zones, received water that achieved the chemical requirements of the Standards for fluoride, while three zones (21,000 people) failed.

Of the three zones that failed, two (serving 21,000 people, rounded) failed because of inadequate monitoring. One of these zones was served by a treatment plant where one too few samples were taken to meet the requirements of the Standards. This is a minor level of inadequate monitoring. The other zone was served by two treatment plants. At one treatment plant, three fewer samples than required were taken. At the other, only 44 percent (23/52) of the minimum number of samples required was taken. In terms of population served, the failure to adequately monitor fluoride at the treatment plants serving these two zones represents a deterioration in fluoride monitoring compared with the previous period, when 4,000 people received water that was inadequately monitored.

The other zone that failed, serving 700 people, failed because of one sample in which the fluoride concentration of 1.9 mg/L exceeded the fluoride maximum acceptable value of 1.5 mg/L. The population served by this supply was much smaller than the 26,000 people who

received water that failed because of an excessive number of transgressions in the previous period.

# 4.5.2 Other chemical determinands

## i. Maximum acceptable value exceedences

Drinking-water supplies to 73,000 people (16 zones) exceeded the maximum acceptable values for at least one chemical determinand, other than fluoride, during the report period. All except three zones were in separate supplies. The chemical determinands for which the maximum acceptable values were exceeded were: arsenic, dichloroacetic acid, haloacetic acids and trihalomethanes. Nine of the ten zones with arsenic exceedences were located near Lake Taupo or in the Bay of Plenty and one in the Coromandel Peninsula.

# j. Frequency and extent of maximum acceptable value exceedences

The frequencies at which maximum acceptable values were exceeded in monitoring samples ranged from seldom (1 in 25 samples) for one zone, through to always for another, where arsenic concentrations transgressed for all samples taken. The median frequency of exceedences for all non-fluoride determinands was 17 percent of samples. The highest chemical concentrations reported for individual zones ranged from 102 percent to 210 percent of the maximum acceptable value.

Only 24 percent of exceedences were greater than 150 percent of the maximum acceptable value during the current period, approximately the same as the 25 percent of exceedences in the previous period.

## k. Public health significance of exceedences

Chemicals exceeding their maximum acceptable values are either disinfection by-products (trihalomethanes or haloacetic acids) or arsenic.

Disinfection by-products are possible human carcinogens. Like most carcinogens, their maximum acceptable value is set at a level of risk of 1 in 100,000. While absent in the source water, they can occur as by-products from the chlorination process. Despite their possible carcinogenicity, the World Health Organization<sup>11</sup> advises that it is of 'paramount importance' that the efficacy of disinfection is not compromised in trying to minimise their formation.

Trihalomethanes or haloacetic acids exceeded their maximum acceptable values in six zones serving 62,000 people, compared with 6,500 people in three zones exceeding these maximum acceptable values in the previous period. One large supply in which haloacetic acids exceeded the maximum acceptable value was the primary reason for this increase during the reporting period. Frequencies of exceedence ranged from four to 67 percent of monitoring samples. Transgressing concentrations exceeded the maximum acceptable values by up to 98 percent. The zones in which transgressions occurred most frequently, the maximum acceptable value was exceeded by the greatest percentage. Of the six zones with excessive transgressions, three also recorded excessive transgressions in the previous reporting period. Of these three zones, two had transgression frequencies similar in both reporting periods. For one of these two zones the maximum concentration recorded was also similar.

<sup>&</sup>lt;sup>11</sup> World Health Organization. 2011. *Guidelines for Drinking-water Quality*. 4<sup>th</sup> Edition. Geneva. WHO Press.

The maximum acceptable value for arsenic was exceeded in 10 zones (10,000 people). The frequencies of exceedence reported for arsenic ranged from low (8 percent of samples) to high (100 percent of samples). In seven of these zones, the maximum acceptable value was exceeded in at least 75 percent of samples.

The level of risk used to set the maximum acceptable value for most carcinogens is 1 in 100,000. For arsenic however, the maximum acceptable value of 0.01 mg/L cannot be lowered, because of analytical and treatment limitations. The World Health Organisation has previously advised this equates to a level of risk of 1 in 1700 (the Standards). Consequently, exceedences of the maximum acceptable value for arsenic are of greater public health significance than the exceedences by other carcinogenic chemicals.

# 4.5.3 Chemical monitoring and remedial action

Population and zone figures in this section refer to all Priority 2 determinands in the report.

## a. Monitoring

Unsatisfactory monitoring remains a major reason for non-achievement against the chemical requirements of the Standards. Of the 28 zones (106,000 people) that were non-achieving, 11 zones (33,000 people) were inadequately monitored. Without monitoring information, the water supplier cannot make well-informed decisions about the actions to take to meet the Standards, and the health significance of chemicals assigned to a distribution zone cannot be readily assessed.

# b. Remedial action

In 10 zones (8100 people) the remedial action taken during the reporting period, in response to transgressions of the Standards for chemical determinands, was unsatisfactory. The presence of arsenic in source waters presents a substantial difficulty for those zones with arsenic transgressions. The upgrading of treatment may be expensive, and a suitable alternative source may be unavailable. Remedial action was considered satisfactory in four of the six zones with disinfection by-product transgressions, but not in the single zone with a fluoride transgression. Three of the ten zones with arsenic transgressions undertook satisfactory remedial action.

The urgency for remedial action to address exceedences of chemical maximum acceptable values is usually not as great as it is for microbiological exceedences. Maximum acceptable values are calculated to provide satisfactory protection against adverse health effects for a lifetime (70 years) of drinking-water consumption. Consequently, relatively short periods of exceedence are not usually expected to adversely affect health.

While remedial action for a chemical exceedence may not be urgent, under section 69ZF of the Act water suppliers still have to take all practicable steps to correct the problem, to ensure that the water supplied achieves the quality required by the Standards. Removal of a chemical determinand from water may present a substantial technical and financial challenge, requiring an additional, possibly expensive, treatment process. Under these circumstances and with regard to the risk, a water supplier may be able to show that remedial action is impracticable for financial reasons, as there are provisions for such circumstances under section 69H of the Act.

# 4.6 Status of water safety plans

Monitoring water quality alone is not a satisfactory approach to water supply management. In most instances, test results will become available too late to prevent contaminated water reaching a community. The Act requires water suppliers to move beyond reliance on monitoring only and to prepare and implement a water safety plan in relation to the supplier's drinking-water supply. Water safety plans are fundamental to the water supplier being able to produce safe water and having confidence that the water is safe at times when monitoring samples are not available to confirm its quality. Preparing a water safety plan requires a water supplier to review the whole of their water supply chain from raw water through the treatment processes, to the pipe networks that carries the water out into the community. During this review process, possible causes and risks of contamination are identified and measures put in place to manage those risks. The plan should also state what remedial action needs to be taken should a contamination event occur despite the preventive measures.

Table 7 shows progress towards implementing water safety plans for the categories of supply covered by this report. The term 'redrafting' in this table may apply to any one of: editing of the initial plan before approval; adjustments to the plan to match changed treatment processes; or review of a plan within five years of implementation.

#### Table 7: Water safety plans: all supplies status from 1 July 2016 to 30 June 2017

Percentages are for population served. 3,815,000 people in 661 zones.

	Population	Percentage	Zones
Plan not started	6,800	0.2%	28
Plan being drafted	13,000	0.3%	38
Plan submitted	1,200	0.0%	4
Plan redrafting <sup>#</sup>	28,000	0.7%	32
Plan approved	36,000	0.9%	29
Plan being implemented	3,731,000	97.8%	530
Meets legislation*	3,731,000	97.8%	530

Population figures are rounded to the nearest thousand, or the nearest hundred if less than 10,000.

\* Plans for all but small supplies must be being implemented. Most small supplies do not need to have a plan, but are included in this statistic if they are implemented or have voluntarily gained approved status.

# The 'Plan redrafting' option does not distinguish between plans being redrafted as part of the submission/re-edit process for first-time approval, and the review process required within 5 years of completion or approval. Nevertheless, the bulk of the population assigned here is for plans that have not met the 5-year review requirement.

Overall, zones serving 97.8 percent of the report population (80 percent of zones) have begun to implement their water safety plans. Only drinking-water supplies serving 0.2 percent of the report population (4 percent of zones) had not commenced water safety plan preparation.

The rate of development and implementation of the plans decreased with reducing zone population size. For example, suppliers for 8.2 percent of people served by small zones had not started preparing their water safety plans. Small drinking-water suppliers are not subject to the duty to prepare and implement a water safety plan unless required to by a medical officer of health under section 69ZA of the Act. Small water suppliers have the option to prepare a plan using Section 10 of the Standards.

Large, medium and minor supplies are further considered as the dates for water safety plan implementation for these category of supplies have passed under the Act. These category of supplies were required to have their plans implemented by now. All large supplies now meet this requirement. Plans for 39 of the 41 medium zones are being implemented and two are approved. The two approved and had not commenced implemention represent 12,000 people. Plans for 233 of the 257 minor zones are being implemented. Of the 24 minor zones not meeting requirements, representing 46,000 people, 12 plans have been approved, eight have been submitted or are being redrafted, three are being drafted and one has not been started.

Small supplies are not normally required by the Act to have a plan, but there are two situations where an implemented plan is required. Firstly, if they wish to achieve Section 10 of the Standards, then among other criteria they must have an implemented water safety plan. There are 28 of these supplies listed in this report. Secondly, a medical officer of health may require a small supply to implement a plan in the interests of public health.

For all supplies, a water safety plan remains in force for the lesser of: the time stated in the plan, or for five years after being completed, approved or most recently reviewed. At least two months before this time has elapsed, reviewed and, if necessary, updated or a new plan must be submitted for approval and subsequent implementation.

#### Table 8: Supplies with water safety plan legislative requirements

#### 8a Water safety plans: large supplies status, 2016–2017

Percentages are for population served.

2,957,000 people in 74 zones, each with over 10,000 people. Serve 78% of the report population.

	Population	Percentage	Zones
Plan not started	0	0%	0
Plan being drafted	0	0%	0
Plan redrafting	0	0%	0
Plan approved	0	0%	0
Plan being implemented	2,957,000	100%	74
Meets legislation*	2,957,000	100%	74

Population figures are rounded to the nearest thousand.

\* Large supplies must have plans being implemented.

#### 8b Water safety plans: medium supplies status, 2016–2017

Percentages are for population served.

295,000 people in 41 zones, each with 5,001 to 10,000 people. Serve 8% of the report population.

	Population	Percentage	Zones
Plan not started	0	0%	0
Plan being drafted	0	0%	0
Plan submitted or redrafting	0	0%	0
Plan approved	12,000	4.1%	2
Plan being implemented	283,000	95.9%	39
Meets legislation*	283,000	95.9%	39

Population figures are rounded to the nearest thousand.

\* Medium supplies must have plans being implemented.

#### 8c Water safety plans: minor supplies status, 2016–2017

Percentages are for population served.

487,000 people in 257 zones, each with 501 to 5,000 people. Serve 13% of the report population.

	Population	Percentage	Zones
Plan not started	600	0.1%	1
Plan being drafted	4500	0.9%	3
Plan submitted or redrafting	22,000	4.5%	8
Plan approved	20,000	4.0%	12
Plan being implemented	441,000	90.5%	233
Meets legislation*	441,000	90.5%	233

Population figures are rounded to the nearest thousand.

\* Minor supplies must have plans being implemented.

The following table shows that the population receiving drinking-water with water safety plans being implemented has increased by 5.1 percentage points between reporting periods. The improvement occurred across all size categories, and included the recommencement of implementation by seven large zones (serving 159,000 people) from redrafting status in the previous period. The population receiving water plans were being implemented increased by 5.4 percentage points for large supplies, 3.9 percentage points for medium, 4.0 percentage points for minor, and 7.0 percentage points for small.

#### Table 9: Water safety plans: status between reporting years

Percentages are for reported population served.

Stages referred to are: not started, drafting, submitted, redrafting, approved and being implemented.

Reporting Year	2016–2017		2015-2016	
	Population	Percent	Percent	Change*
Drafting or better				
Large supplies	2,957,000	100%	100%	0%
Medium supplies	295,000	100%	100%	0%
Minor supplies	487,000	99.9%	99.6%	+0.2%**
Small supplies	69,500	91.8%	89.2%	+2.7%
All supplies	3,808,000	99.8%	99.7%	+0.1%
Approved or being implemented				
Large supplies	2,957,000	100%	94.6%	+5.4%
Medium supplies	295,000	100%	94.2%	+5.8%
Minor supplies	460,000	94.5%	91.8%	+2.7%
Small supplies	53,800	71.1%	66.1%	+4.9%**
All supplies	3,766,000	98.7%	93.6%	+5.1%
Being implemented				
Large supplies	2,957,000	100%	94.6%	+5.4%
Medium supplies	283,000	95.9%	92.0%	+3.9%
Minor supplies	441,000	90.5%	86.5%	+4.0%
Small supplies	49,400	65.4%	58.3%	+7.0%**
All supplies	3,731,000	97.8%	92.7%	+5.1%**

Percentages are rounded to one decimal place.

Population figures are rounded to the nearest thousand (nearest hundred for small supplies).

\* A positive change represents an improvement in water safety plan status.

\*\* Values are calculated using full-precision data rather than rounded figures from adjacent columns.

Supply zone size: Large: Over 10,000 Medium: 5,001–10,000 Minor: 501–5,000 Small: 101–500.

# 4.7 Meeting legislative requirements

# 4.7.1 Overview

The Act places some specific duties on water suppliers that are considered key to protecting the safety of drinking-water supplies. Some of these are contained in the Standards (such as monitoring) or should be included in water safety plans (such as source protection, keeping records and remedial action). Others, such as handling complaints, may be recorded with complemenaty systems (e.g large suppliers may use customer manager software to log calls relating to supply performance) that are then used for direct watersupply management.

Note that, as part of a step-wise transition to legislative requirements,<sup>12</sup> some population size categories were not required to meet monitoring, provision of drinking water, or source protection requirements during the previous reporting periods. That transition period has now concluded.

Table 10 summarises the extent to which supplies have met these key requirements. Table 11 presents this as a function of supply size.

Water suppliers can fail to meet some legislative requirements through inadequate actions or by failing to provide appropriate documented evidence of the performance of those actions to their public health units.

#### Table 10: Meeting legislative requirements: all supplies

Percentages are for population served.

#### 10a All supplies, from 1 July 2016 to 30 June 2017

3,815,000 people in 661 zones.

	Population	Percentage	Zones
Monitoring	3,705,000	97.1%	590
Provision of drinking water	3,490,000	91.5%	638
Source protection	3,792,000	99.4%	633
Records	3,809,000	99.8%	646
Complaints	3,810,000	99.9%	646
Remedial action	3,793,000	99.4%	634

#### 10b All supplies, status between reporting years

	<b>Reporting Year</b>	2016–2017	2015–2016	Change*
Monitoring		97.1%	97.6%	-0.5%
Provision of drinking	water	91.5%	97.5%	-6.1%**
Source protection		99.4%	99.5%	-0.1%
Records		99.8% <sup>#</sup>	100%	-0.1%**
Complaints		99.9% <sup>#</sup>	100%	-0.1%
Remedial action		99.4%	99.4%	0.0%

Population figures are rounded to the nearest thousand.

Percentages are rounded to one decimal place.

\* A positive change represents an improvement in legislative compliance.

\*\* Values are calculated using full-precision data rather than rounded figures from adjacent columns.

<sup>&</sup>lt;sup>12</sup> Health (Deferral of General Application of Sections 69S to 69ZC) Order 2009.

# Table 11: Meeting legislative requirements, by supply size, 1 July 2016 to 30 June 2017

Percentages are for population served.

### 11a Meeting legislative requirements: Large zones

2,957,000 people in 74 zones, each with over 10,000 people. Serve 78% of the report population.

	Population	Percentage	Zones
Monitoring	2,895,000	97.9%	70
Provision of drinking water	2,638,000	89.2%	70
Source protection	2,957,000	100%	74
Records	2,957,000	100%	74
Complaints	2,957,000	100%	74
Remedial action	2,957,000	100%	74

### 11b Meeting legislative requirements: Medium zones

295,000 people in 41 zones, each with 5.001 to 10,000 people. Serve 8% of the report population.

	Population	Percentage	Zones
Monitoring	282,000	95.4%	39
Provision of drinking water	295,000	100%	41
Source protection	295,000	100%	41
Records	295,000	100%	41
Complaints	295,000	100%	41
Remedial action	289,000	98.0%	40

# 11c Meeting legislative requirements: Minor zones

487,000 people in 257 zones, each with 501 to 5,000 people. Serve 13% of the report population.

	Population	Percentage	Zones
Monitoring	463,000	95.0%	240
Provision of drinking water	484,000	99.4%	256
Source protection	468,000	96.1%	248
Records	484,000	99.4%	256
Complaints	484,000	99.4%	256
Remedial action	475,000	97.5%	247

### 11d Meeting legislative requirements: Small zones

75,600 people in 289 zones, each with 101 to 500 people. Serve 2% of the report population.

	Population	Percentage	Zones
Monitoring	65,200	86.2%	241
Provision of drinking water	72,100	95.3%	271
Source protection	71,700	94.8%	270
Records <sup>#</sup>	72,700	96.1%	275
Complaints	73,000	96.6%	275
Remedial action	71,500	94.5%	273

Population figures are rounded to the nearest thousand (nearest hundred for small supplies).

# Small suppliers do not have to keep records under section 69ZD(1) of the Act.

# Table 12: Meeting legislative requirements: status between reporting years

Percentages are for population served.

Reporting Year	2016–2017	2015–2016	Change <sup>*</sup>
ll supplies			
Monitoring	97.1%	97.6%	-0.5%
Provision of drinking water	91.5%	97.5%	-6.1%**
Source protection	96.4%	99.5%	-0.1%
Records	99.8%	100.0%##	-0.1%**
Complaints	99.9%	100.0%##	-0.1%
Remedial action	99.4%	99.4%	0%
arge supplies			
Monitoring	97.9%	99.0%	-1.1%
Provision of drinking water	89.2%	96.9%	-7.7%
Source protection	100%	100%	0%
Records	100%	100%	0%
Complaints	100%	100%	0%
Remedial action	100%	100%	0%
Medium supplies			
Monitoring	95.4%	97.9%	-2.5%
Provision of drinking water	100%	100%	0%
Source protection	100%	97.3%	+2.7%
Records	100%	100%	0%
Complaints	100%	100%	0%
Remedial action	98.0%	100%	-2.0%
Vinor supplies			
Monitoring	95.0%	90.8%	+4.3%**
Provision of drinking water	99.4%	100%	-0.6%
Source protection	96.1%	98.4%	-2.3%
Records	99.4%	100%	-0.6%
Complaints	99.4%	100%	-0.6%
Remedial action	97.5%	95.8%	+1.7%
Small supplies			
Monitoring	86.2%	84.1	+2.1%
Provision of drinking water	95.3%	97.8%	-2.5%
Source protection	94.8%	95.8%	-0.9%**
Records <sup>#</sup>	96.1%	97.9%	-1.8%
Complaints	96.6%	98.4%	-1.8%
Remedial action	94.5%	95.6%	-1.1%

Percentages are shown rounded to one decimal place.

\* A positive change represents an improvement in legislative compliance.

\*\* Values are calculated using full-precision data rather than rounded figures from adjacent columns.

# Small suppliers do not have to keep records under section 69ZD(1) of the Act.

## Equals 100.0% rounded, but does not include all zones.

Supply zone size: Large: Over 10,000 Medium: 5,001–10,000

Minor: 501–5,000

Small: 101–500.

All large, medium, minor and small drinking-water suppliers were expected to meet the requirements of sections 69S to 69ZJ of the Act. This includes the requirements for monitoring, provision of drinking water, source protection and water safety plans for all except small supplies are not required to have a water safety plan other than as described previously (compliance under section 10 of the Standards or if requested by a medical officer of health). Most suppliers met these requirements of the Act.

# 4.7.2 Requirements by section of the Health Act 1956

# a. Monitoring requirements (section 69Y)

The Act requires all water supplies listed in this report to have their water quality monitored to the requirements of the Standards, since monitoring remains a key verification component in managing drinking-water supplies. Monitoring provides a check that the water safety plan is operating satisfactorily, and indicates whether remedial action is required. It allows the water supplier to determine whether the drinking-water quality meets that required by the Standards.

Overall, zones serving 97.1 percent of the report population met the monitoring requirements, with percentage compliance increasing with the size of the population served by a supply. Monitoring requirements in the reporting period were met for 97.9 percent of the population served by large supplies, 95.4 percent served by medium supplies, 95.0 percent by minor supplies and 86.2 percent by small supplies.

# b. Provision of drinking water (section 69S)

Unsanitary conditions can arise when a community is without water, and consumers may seek other, possibly unsafe, sources of water. To avoid such eventualities, drinking-water suppliers are required to take all practicable steps to ensure an adequate supply of drinking-water and in the event of an interruption, planned or otherwise, to take appropriate action.

Overall, zones serving 91.5 percent of the report population, or 3,490,000 people, met this requirement during the reporting period. Four large, one minor and 18 small zones failed to meet the provision of drinking-water requirements.

Four large zones failed the requirement during the current period, through failing to provide appropriate notification of interruptions, compared with three large zones during the previous period. The four large zones provided water to 319,000 people, while the three large zones that failed during the previous period supplied a total of 91,000 people.

# c. Source protection (section 69U)

Protecting the quality of source waters is probably the most important component of the multibarrier approach to drinking-water supply management encouraged by the Standards. Protection of source waters reduces the number and concentrations of contaminants that the water treatment system has to deal with, reducing the consequences for public health in the event of treatment failure.

Overall, zones serving 96.4 percent of the report population or 2,957,000 people, met the requirement to take reasonable steps to contribute to the protection of their drinking-water sources. Nine minor zones (serving 19,000 people) and 19 small zones (serving 3,900 people) failed to meet the source protection requirements.

# d. Records (section 69ZD)

The keeping of records assists water suppliers and drinking-water assessors in determining whether a supply meets the requirements of the Act and achieves the Standards. It also ensures that people unfamiliar with a supply, such as a new employee, is better informed about the way the supply should be operated and what operational parameters are typical. In the event of a waterborne disease outbreak or any other incident resulting from system failure, well-kept records may assist in understanding what has gone wrong and how this could be prevented in the future.

Overall, records with sufficient information were maintained for distribution zones supplying 99.8 percent of the report population. All large and medium zones and all but one minor zone met the records requirement, along with those serving 96.1 percent of people in small zones<sup>13</sup>.

# e. Complaints (section 69ZE)

Complaints about drinking-water quality most often relate to the aesthetic properties of the water (taste, odour and appearance). In some cases, our senses of taste and smell are better able to identify a problem than instrumentation. Complaints need to be investigated, because they potentially inform the water supplier of a problem about which they may not otherwise be aware. Consumer concerns about the taste and odour of water, if sufficiently severe, may lead to the consumer seeking another source of drinking-water. While the alternative source may not have the aesthetic problems associated with the original drinking-water supply, it may contain health-significant contaminants that cannot be detected by human senses.

Overall, water suppliers investigated complaints they received about the drinking-water they supplied to zones serving 99.9 percent of the report population. This included all complaints for large and medium zones and all but one minor zone. Fourteen small supplies, serving 2,600 people, did not meet this requirement.

# f. Remedial action (section 69ZF)

The Act requires drinking-water suppliers to take all practicable steps to carry out appropriate remedial action in the event that monitoring reveals contamination of the drinking-water and that the Standards are breached. Prompt action is required when the contaminants are microbiological, because pathogens can cause acute illness. Although the Standards set out specific remedial action for particular situations, the absence of instructions for a specific situation should not prevent drinking-water suppliers from seeking a way of remedying a fault they have identified in their system, which may adversely affect the safety of the supply.

Remedial action in response to transgressions was taken, when necessary, in zones serving 99.4 percent of the report population. Water suppliers did not take prompt remedial action in 27 zones serving 0.6 percent of the report population (22,000 people). These zones consisted of one medium (6,000 people), ten minor (12,000 people) and 16 small (4200 people) zones.

 $<sup>^{\</sup>scriptscriptstyle 13}$  Small suppliers do not have to keep records under section 69ZD(1) of the Act.

# 4.8 Disinfection

The multi-barrier approach is an internationally recognised cornerstone in managing risk in water supplies.

Five barriers or preventative measures necessary to ensure safe water are commonly described:

- Source-protection to keep source water as free of contaminants as possible
- Treatment to remove or inactivate contaminants
- Secure distribution system against intrusion of contaminants
- Monitoring programmes to detect contamination and give assurance the system is working
- Well thought out response to adverse conditions

Some barriers, such as source water protection, are mandated by the Act and are key for assessing compliance with the Standards. The use of other barriers, such as disinfection, are encouraged by the Standards. Information about the type of barriers used and the proportion of population served and covered by these barriers is given in Table 13.

# Table 13: Disinfection and secure bore water

To be included as disinfected or secure in these figures, all water received by a zone must have either been disinfected at a plant, or be secure bore water.

Disinfection Status	Population	Percentage	Zones
Chlorination	3,133,000	82.1%	497
Ozone	47,000	1.2%	12
UV	606,000	15.9%	196
Any disinfection*	3,215,000	84.3%	557
Secure bore water	590,000	15.5%	92
Disinfected or secure**	3,700,000	97.0%	609
Neither disinfected nor secure***	115,000	3.0%	52

Percentages are rounded to one decimal place and populations rounded to the nearest thousand.

\* Detail lines are not additive, because some supplies may use more than one method of disinfection.

\*\* Some supplies may use disinfection with secure bore water.

\*\*\* ie some or all water received is neither disinfected nor secure.

The first barrier is source-protection. Secure bore water, where source water is proven to be not directly influenced by the surface or climate, is one way to keep source water as clean as possible. Generally, secure bore water has lower levels of microbiological contaminants than surface water. To comply with the Standards, the bore from which the water is drawn must be assessed as providing satisfactory protection. Overall 15.5% (590,000 people) of the report population received all their water from sources which have been assessed as being secure bore water.

Disinfection, a form of treatment, inactivates microbiological-organisms and is a key barrier to preventing consumers receiving contaminated water. During the reporting period, 84.3 percent (3,215,000 people) of the report population received disinfected drinking-water for the whole year, or routine disinfection was commenced during the current period.

A drinking-water supply may have multiple source of water. Approximate 1.2 percent (44,000 people) of the report population received water for which some, but not all, water sources were disinfected as part of normal operations. Others may have received water which was disinfected from time to time in response to perceived enhanced risks, or as part of a response to actual transgressions of the Standards.

Chlorine was the most common disinfectant used and has the potential to inactivate bacteria and viruses. Approximately 82.1 percent (3,133,000 people) of the report population were served by supplies where all the water was disinfected with chlorine, while 1.2 percent (47,000 people) received water disinfected with ozone and 15.9 percent (606,000 people) received water disinfected by ultra-violet radiation (UV).

Of the 600,000 people who do not receive routinely disinfected water, 457,000 people (76.1 percent) received secure bore water.

# KEY

Column	Scope	Size	Population	Symbol	Meaning
Bacteria	Zone bacteria achievement with Standards	Small	101 to 500	$\checkmark$	Achieved Std
Protozoa	For contributing plants	Minor	501 to 5,000	×	Failed Std
Chemical	Zone and plant Priority 2 determinands	Medium	5,001 to 10,000		
		Large	10.001 or more		

# Whangarei District

Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa	Chemical
BRE001BR	Bream Bay	5,900	Medium	Local Authority	×	×	$\checkmark$
HUK001HU	Hukerenui School	150	Small	Education Public	$\checkmark$	$\checkmark$	$\checkmark$
MAU002MA	Maungakaramea	200	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
WHA007HE	Whangarei Heads	7,200	Medium	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
WHA007HI	Hikurangi	1,330	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
WHA007WH	Whangarei	48,000	Large	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$

# Far North District

Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa	Chemical
CAR011CA	Carrington Estate	120	Small	Private Other	$\checkmark$	$\checkmark$	$\checkmark$
DOU004EC	East Coast Bays	2,000	Minor	Private Other	$\checkmark$	×	$\checkmark$
KAI006KA	Kaikohe	4,000	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
KAI006NG	Ngawha Springs	200	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
KAI008KA	Kaitaia	5,400	Medium	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
KAW002KA	Kawakawa	1,500	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
KAW002MO	Moerewa / Otiria	2,000	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
KERO01KE	Kerikeri	6,200	Medium	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
KER001WA	Waipapa	500	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
NGA046NG	Ngati Rehia Wai Trust	120	Small	Marae	×	×	$\checkmark$
OKA003OK	Okaihau	800	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
OMA002OM	Omapere	900	Minor	Local Authority	$\checkmark$	$\checkmark$	×
PAI001HA	Haruru Falls	1,000	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
PAI001OP	Opua	1,000	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
PAI001PA	Paihia	2,000	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
РАКООЗРА	Pakanae	160	Small	Communal	×	$\checkmark$	$\checkmark$
RAW001RA	Rawene	600	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
RUS004RU	Russell Township-Commercial	200	Small	Private Other	$\checkmark$	$\checkmark$	$\checkmark$
WAI045WA	Waipapa, Lock	150	Small	Private Other	$\checkmark$	$\checkmark$	$\checkmark$
WAI226WA	Waima Hapu Community	200	Small	Private Other	×	×	$\checkmark$
WHI012WH	Whirinaki Water Board	400	Small	Private Other	×	×	$\checkmark$

### **Kaipara District**

Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa	Chemical
DAR002BB	Baylys Beach	228	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
DAR002DT	Dargaville Town	4,455	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
KAI007KD	Kaihu-Dargaville	324	Small	Local Authority	×	×	$\checkmark$
MAN003MA	Mangawhai Heads	200	Small	Local Authority	$\checkmark$	×	$\checkmark$
MAU001MA	Maungaturoto	900	Minor	Local Authority	$\checkmark$	×	$\checkmark$
RUA001RU	Ruawai	426	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$

### **Greater Auckland (Watercare)**

Greater Auc	kland (watercare)						
Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa	Chemica
AUC003AA	Auckland Airport	4,557	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
AUC003AU	Auckland	261,638	Large	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
AUC003AZ	Anzac	3,445	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
AUC003BU	Buckland	609	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
AUC003CB	Central Business Dist.Auckland	14,590	Large	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
AUC003CL	Clarks/Waiau Beach	1,332	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
AUC003EB	East Tamaki/Botany	36,914	Large	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
AUC003GL	Glenbrook Beach	393	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
AUC003GN	Glen Eden/New Lynn	56,785	Large	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
AUC003HE	Henderson	125,916	Large	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
AUC003HH	High Head	4,000	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
AUC003HI	Hillsborough	62,355	Large	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
AUC003HO	Howick/Pakuranga	94,803	Large	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
AUC003HT	Hilltop	947	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
AUC003HW	HBC/Waiwera	28,898	Large	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
AUC003KI	Kitchener	14,866	Large	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
AUC003LA	Laingholm	2,457	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
AUC003MA	Maungawhau	45,267	Large	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
AUC003MG	Mangere	71,629	Large	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
AUC003MO	Montana	4,615	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
AUC003MT	Mt Hobson	30,526	Large	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
AUC003MW	Manurewa	72,305	Large	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
AUC003ON	Onehunga	27,101	Large	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
AUC003OP	Otara/Papatoetoe/Manukau Cent		Large	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
AUC003OR	Oratia	1,596	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
AUC003OT	Otahuhu	11,083	Large	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
AUC003PT	Patumahoe	606	Minor	, Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
AUC003SO	North Shore Sth.	151,400	Large	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
AUC003SW	Swanson	4,540	Minor	, Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
AUC003TH	Te Henga	1,085	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
AUC003WE	North Shore West	71,300	Large	, Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
AUC003WH	Whenuapai	5,460	Medium	, Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
BOM003BO	Bombay	609	Minor	, Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
3UR004BU	, Burnside Road	352	Small	, Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
HELOO5HP	Helensville/Parakai	4,579	Minor	, Local Authority	$\checkmark$	$\checkmark$	×
HUI006HV	Huia Village	597	Minor	, Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
MUR011MU	Muriwai	563	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
PAP001PC	Papakura City	32,421	Large	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
PAP001RH	Red Hill	2,475	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
PAP001TA	Takanini	13,617	Large	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
SNE002SN	Snells/Algies	4,664	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
WAI214WA	Waiuku	8,697	Medium	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
WAR006WA	Warkworth	4,111	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
WELOO4WE	Wellsford/Te Hana	2,114	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
	· · · · · · · · · · · · · · · · · · ·	_, <b></b> .					
<b>Greater Auc</b> Zone Code	<b>kland</b> Distribution Zone	Population	Size	Туре	Bacteria	Protozoa	Chemica
		•					
BOM002BO	Bombay Motorway Services	200	Small	Private Other	√ 	$\checkmark$	
BRO015BP	Broadway Park, Newmarket	1,000	Minor	Private Other	×	$\checkmark$	$\checkmark$
HAROO5HA	Haranui Whanau	200	Small	Marae	×	$\checkmark$	<b>√</b>
KEN005KP	Kensington Park	450	Small	Private Other	<b>√</b>	<b>√</b>	<b>√</b>
	Kingsont Community	400	Cmall	Drivete Other	./	./	./

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400

800

150

200

Small

Minor

Small

Small

Private Other

**Private Other** 

**Private Other** 

Local Authority

Kingseat Community

Waiuku, Glenbrook Beach Road

Matiatia Wharf

Pine Harbour

KIN002KH

PIN003PI

WAI197GL

MAT034MA

# **Thames Coromandel District**

Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa	Chemical
COR001CO	Coromandel	1,657	Minor	Local Authority	×	×	$\checkmark$
HAH001HA	Hahei, Harsant Subdivision	457	Small	Local Authority	$\checkmark$	×	$\checkmark$
HAH003PA	Hahei, Pa Road	200	Small	Private Other	×	×	$\checkmark$
MAT009MA	Matatoki	150	Small	Local Authority	×	×	$\checkmark$
MAT010MA	Matarangi	279	Small	Local Authority	$\checkmark$	×	$\checkmark$
ONE002ON	Onemana	170	Small	Local Authority	×	×	$\checkmark$
PAU001PA	Pauanui	747	Minor	Local Authority	$\checkmark$	×	$\checkmark$
PUR003PU	Puriri	150	Small	Local Authority	×	×	$\checkmark$
TAI002TA	Tairua	1,335	Minor	Local Authority	$\checkmark$	×	$\checkmark$
TEP007AP	Te Puru - Aputa Ave	200	Small	Local Authority	×	×	$\checkmark$
THA001TK	Thames - Kopu	7,657	Medium	Local Authority	$\checkmark$	×	×
WHA003WH	Whangamata	3,665	Minor	Local Authority	×	×	$\checkmark$
WHI001WH	Whitianga	4,115	Minor	Local Authority	$\checkmark$	×	$\checkmark$

# Hauraki District

Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa	Chemical
KAI013KA	Kaimanawa	204	Small	Local Authority	$\checkmark$	×	$\checkmark$
KAR001KA	Karangahake	147	Small	Local Authority	$\checkmark$	×	×
KER005KE	Kerepehi	1,371	Minor	Local Authority	$\checkmark$	×	$\checkmark$
KER005TU	Turua	1,181	Minor	Local Authority	$\checkmark$	×	$\checkmark$
MAC003MA	Mackaytown	174	Small	Local Authority	×	×	$\checkmark$
PAE001OH	Ohinemuri	702	Minor	Local Authority	$\checkmark$	×	$\checkmark$
PAE001PA	Paeroa	3,864	Minor	Local Authority	$\checkmark$	×	$\checkmark$
WAI003WA	Waihi	4,623	Minor	Local Authority	$\checkmark$	×	$\checkmark$
WAI043WA	Waikino	304	Small	Local Authority	$\checkmark$	-	$\checkmark$
WAI201WA	Waitakaruru	2,076	Minor	Local Authority	$\checkmark$	×	$\checkmark$

### Waikato District

Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa	Chemical
HUN002HU	Huntly	7,210	Medium	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
HUN002RO	Rotongaro	130	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
NGA002HO	Horotiu	459	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
NGA002HP	Hopuhopu	200	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
NGA002NG	Ngaruawahia	5,691	Medium	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
NGA002TA	Taupiri	529	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
NOR013NO	North Western Dist, Waikato DC	115	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
POK001PO	Pokeno	519	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
RAG001RA	Raglan	3,187	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
SOU009SO	Southern Districts, Waikato DC	5,466	Medium	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
TEK001TR	Te Kauwhata / Rangiriri	1,410	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
TEK001WH	Whangamarino Rural / Meremere	e 739	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
TUA002TN	Tuakau North	823	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
TUA002TS	Tuakau South	3,119	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$

# Matamata Piako District

Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa	Chemical
MAT004MA	Matamata Township	6,309	Medium	Local Authority	×	х	$\checkmark$
MAT004WA	Waharoa	634	Minor	Local Authority	$\checkmark$	×	$\checkmark$
MOR001MO	Morrinsville Township	6,603	Medium	Local Authority	$\checkmark$	×	$\checkmark$
TAH001TA	Tahuna Township	120	Small	Local Authority	×	×	$\checkmark$
TAT005FA	Tatua Dairy Factory Endpoint	200	Small	Private Other	×	$\checkmark$	$\checkmark$
TEA003TE	Te Aroha	3,768	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
WAI049WA	Waitoa Village & Factory	500	Small	Private Other	$\checkmark$	×	×

Zone Code	<b>ty</b> Distribution Zone	Population	Size	Туре	Bacteria	Protozoa	Chemical
AM001HA	Hamilton City	130,813	Large	Local Authority	√ Jacteria	√	√ Cherniea
AM001RU	Ruakura/Ryburn Road	150,813	Small	Local Authority	• √	<b>↓</b>	• ✓
AM001R0	Temple View, Hamilton	1,413	Minor	Local Authority	√	√	· ✓
ANIOUTE		1,415	WIIIO	Local Authonity	•	•	•
Naipa Distr							
Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa	Chemical
CAM001CA	Cambridge	13,368	Large	Local Authority	√ 	×	<b>√</b>
CAM001KA	Karapiro Village	132	Small	Local Authority	×	<b>√</b>	<b>√</b>
HAM006IT	East Side Terminal	400	Small	Private Other	<b>√</b>	√ 	<b>√</b>
HAM006WE	West Side Aviation Area	350	Small	Private Other	<b>√</b>	×	<b>√</b>
KIHOO1KI	Kihikihi	2,000	Minor	Local Authority	<b>√</b>	<b>√</b>	<b>√</b>
PUK001OH	Ohaupo	468	Small	Local Authority	<b>√</b>	~	<b>√</b>
PUK001PU	Pukerimu Rural	3,278	Minor	Local Authority	<b>√</b>	$\checkmark$	<b>√</b>
FEA001PI	Pirongia	1,500	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
TEA001TE	Te Awamutu Township	9,165	Medium	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
ГОКОО6ТН	Tokanui	250	Small	Communal	$\checkmark$	$\checkmark$	$\checkmark$
Otorohanga	District						
Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa	Chemical
ARO001AO	Aotearoa Road, Arohena	120	Small	Local Authority	$\checkmark$	×	$\checkmark$
ARO001MA	Mangare Road, Arohena	120	Small	Local Authority	$\checkmark$	×	$\checkmark$
KAW001KA	Kawhia Township	390	Small	Local Authority	$\checkmark$	×	$\checkmark$
ОТО001ОТ	Otorohanga	2,875	Minor	Local Authority	$\checkmark$	×	$\checkmark$
OTO001WA	Waipa	175	Small	Local Authority	$\checkmark$	×	$\checkmark$
TIH001TI	Tihiroa	400	Small	Local Authority	$\checkmark$	×	$\checkmark$
South Waik	ato District						
Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa	Chemical
	Arapuni		Small	Local Authority	$\checkmark$	×	$\checkmark$
ARA003AR	Arapuni Putaruru	300		Local Authority Local Authority	$\checkmark$	× ×	$\checkmark$
ARAOO3AR PUTOO1PU	Putaruru	300 4,116	Minor	Local Authority			
	•	300			$\checkmark$	×	$\checkmark$
ARAOO3AR PUTOO1PU TIROO1TI TOKOO1TO	Putaruru Tirau Tokoroa	300 4,116 700	Minor Minor	Local Authority Local Authority	$\checkmark$	× ✓	$\checkmark$
ARA003AR PUT001PU FIR001TI FOK001TO Waitomo Di	Putaruru Tirau Tokoroa <b>strict</b>	300 4,116 700 13,300	Minor Minor Large	Local Authority Local Authority Local Authority	√ √ √	× ~ ×	√ √ √
ARA003AR PUT001PU TIR001TI TOK001TO <b>Waitomo Di</b> Zone Code	Putaruru Tirau Tokoroa <b>strict</b> Distribution Zone	300 4,116 700 13,300 Population	Minor Minor Large Size	Local Authority Local Authority Local Authority Type	√ √ √ Bacteria	× × × Protozoa	✓ ✓ ✓ Chemical
ARA003AR PUT001PU FIR001TI FOK001TO Waitomo Di Zone Code BEN002BE	Putaruru Tirau Tokoroa strict Distribution Zone Benneydale	300 4,116 700 13,300 Population 280	Minor Minor Large Size Small	Local Authority Local Authority Local Authority Type Local Authority	√ √ √ Bacteria	× × × Protozoa ×	✓ ✓ ✓ Chemical
ARA003AR PUT001PU TIR001TI TOK001TO <b>Waitomo Di</b> Zone Code BEN002BE MOK002MO	Putaruru Tirau Tokoroa strict Distribution Zone Benneydale Mokau, Waitomo	300 4,116 700 13,300 Population 280 200	Minor Minor Large Size Small Small	Local Authority Local Authority Local Authority Type Local Authority Local Authority	✓ ✓ ✓ Bacteria ✓ ✓	× × × Protozoa × ×	√ √ ✓ Chemical ✓ √
ARA003AR PUT001PU FIR001TI FOK001TO Waitomo Di Zone Code BEN002BE MOK002MO PIO001PI	Putaruru Tirau Tokoroa strict Distribution Zone Benneydale Mokau, Waitomo Piopio	300 4,116 700 13,300 Population 280 200 500	Minor Minor Large Size Small Small Small	Local Authority Local Authority Local Authority Type Local Authority Local Authority Local Authority	✓ ✓ ✓ Bacteria ✓ ✓ ✓	× × Protozoa × × × ×	<ul> <li>✓</li> <li>✓</li> <li>✓</li> <li>✓</li> <li>✓</li> <li>✓</li> <li>✓</li> <li>✓</li> <li>✓</li> </ul>
ARA003AR PUT001PU TIR001TI TOK001TO <b>Waitomo Di</b> Zone Code BEN002BE MOK002MO PIO001PI TAH002TA	Putaruru Tirau Tokoroa strict Distribution Zone Benneydale Mokau, Waitomo Piopio Taharoa Village	300 4,116 700 13,300 Population 280 200 500 300	Minor Minor Large Size Small Small Small Small	Local Authority Local Authority Local Authority Type Local Authority Local Authority Local Authority Private Other	✓ ✓ ✓ Bacteria ✓ ✓ ✓ ✓ ✓ ×	× × Protozoa × × × × × ×	✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓
ARA003AR PUT001PU TIR001TI TOK001TO Waitomo Di Zone Code BEN002BE MOK002MO PIO001PI TAH002TA TEK003TE	Putaruru Tirau Tokoroa <b>strict</b> Distribution Zone Benneydale Mokau, Waitomo Piopio Taharoa Village Te Kuiti	300 4,116 700 13,300 Population 280 200 500 300 4,612	Minor Minor Large Size Small Small Small Small Minor	Local Authority Local Authority Local Authority Type Local Authority Local Authority Local Authority Private Other Local Authority	✓ ✓ ✓ Bacteria ✓ ✓ ✓ ✓ × ✓	× × Protozoa × × × × × × ×	✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓
ARA003AR PUT001PU TIR001TI TOK001TO Waitomo Di Zone Code BEN002BE MOK002MO PIO001PI TAH002TA TEK003TE	Putaruru Tirau Tokoroa strict Distribution Zone Benneydale Mokau, Waitomo Piopio Taharoa Village	300 4,116 700 13,300 Population 280 200 500 300	Minor Minor Large Size Small Small Small Small	Local Authority Local Authority Local Authority Type Local Authority Local Authority Local Authority Private Other	✓ ✓ ✓ Bacteria ✓ ✓ ✓ ✓ ✓ ×	× × Protozoa × × × × × ×	√ √ √ Chemical √ √ √ √
ARA003AR PUT001PU TIR001TI TOK001TO Waitomo Di Zone Code BEN002BE MOK002MO PIO001PI TAH002TA TEK003TE WAI012WC Ruapehu Di	Putaruru Tirau Tokoroa strict Distribution Zone Benneydale Mokau, Waitomo Piopio Taharoa Village Te Kuiti Waitomo Caves	300 4,116 700 13,300 Population 280 200 500 300 4,612 500	Minor Minor Large Size Small Small Small Minor Small	Local Authority Local Authority Local Authority Type Local Authority Local Authority Local Authority Private Other Local Authority Private Other	✓ ✓ ✓ Bacteria ✓ ✓ ✓ × × ✓ ×	× ✓ × Protozoa × × × × × × × ×	✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓
ARA003AR PUT001PU TIR001TI TOK001TO Waitomo Di Zone Code BEN002BE MOK002MO PIO001PI TAH002TA TEK003TE WAI012WC Ruapehu Di Zone Code	Putaruru Tirau Tokoroa strict Distribution Zone Benneydale Mokau, Waitomo Piopio Taharoa Village Te Kuiti Waitomo Caves strict Distribution Zone	300 4,116 700 13,300 Population 280 200 500 300 4,612 500 Population	Minor Minor Large Size Small Small Small Minor Small Small	Local Authority Local Authority Local Authority Local Authority Local Authority Local Authority Private Other Local Authority Private Other	✓ ✓ ✓ Bacteria ✓ ✓ × × × × ×	× × Protozoa × × × × × × × × ×	✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓
ARA003AR PUT001PU TIR001TI TOK001TO Waitomo Di Zone Code BEN002BE MOK002MO PIO001PI TAH002TA TEK003TE WAI012WC Ruapehu Di Zone Code NAT001NA	Putaruru Tirau Tokoroa strict Distribution Zone Benneydale Mokau, Waitomo Piopio Taharoa Village Te Kuiti Waitomo Caves strict Distribution Zone National Park	300 4,116 700 13,300 Population 280 200 500 300 4,612 500 Population 240	Minor Minor Large Size Small Small Small Minor Small	Local Authority Local Authority Local Authority Local Authority Local Authority Local Authority Private Other Local Authority Private Other Local Authority Private Other	✓ ✓ ✓ Bacteria ✓ ✓ ✓ × ✓ × ✓ × × ×	× ✓ × Protozoa × × × × × × × × × ×	✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓
ARA003AR PUT001PU TIR001TI TOK001TO Waitomo Di Zone Code BEN002BE MOK002MO PIO001PI TAH002TA TEK003TE WAI012WC Ruapehu Di Zone Code NAT001NA	Putaruru Tirau Tokoroa strict Distribution Zone Benneydale Mokau, Waitomo Piopio Taharoa Village Te Kuiti Waitomo Caves strict Distribution Zone	300 4,116 700 13,300 Population 280 200 500 300 4,612 500 Population	Minor Minor Large Size Small Small Small Minor Small Small	Local Authority Local Authority Local Authority Local Authority Local Authority Local Authority Private Other Local Authority Private Other Local Authority Private Other	✓ ✓ ✓ Bacteria ✓ ✓ × × × × ×	× × Protozoa × × × × × × × × ×	✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓
ARA003AR PUT001PU FIR001TI FOK001TO Waitomo Di Zone Code BEN002BE MOK002MO PIO001PI FAH002TA FEK003TE WAI012WC Ruapehu Di Zone Code NAT001NA DHA001OH	Putaruru Tirau Tokoroa strict Distribution Zone Benneydale Mokau, Waitomo Piopio Taharoa Village Te Kuiti Waitomo Caves strict Distribution Zone National Park	300 4,116 700 13,300 Population 280 200 500 300 4,612 500 Population 240	Minor Minor Large Size Small Small Small Small Minor Small Size Size Small	Local Authority Local Authority Local Authority Local Authority Local Authority Local Authority Private Other Local Authority Private Other Local Authority Private Other	✓ ✓ ✓ Bacteria ✓ ✓ ✓ × ✓ × ✓ × × ×	× ✓ × Protozoa × × × × × × × × × ×	✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓
ARA003AR PUT001PU FIR001TI FOK001TO <b>Waitomo Di</b> Zone Code BEN002BE MOK002MO PIO001PI FAH002TA FEK003TE WAI012WC Ruapehu Di Zone Code NAT001NA DHA001OH DHU001OH	Putaruru Tirau Tokoroa strict Distribution Zone Benneydale Mokau, Waitomo Piopio Taharoa Village Te Kuiti Waitomo Caves strict Distribution Zone National Park Ohakune Township	300 4,116 700 13,300 Population 280 200 500 300 4,612 500 Population 240 1,500	Minor Minor Large Size Small Small Small Small Minor Small Size Small Minor	Local Authority Local Authority Local Authority Local Authority Local Authority Local Authority Private Other Local Authority Private Other Local Authority Private Other	✓ ✓ ✓ Bacteria ✓ ✓ × ✓ × × × ×	× × Protozoa × × × × × × × × ×	✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓
ARA003AR PUT001PU FIR001TI FOK001TO Waitomo Di Zone Code BEN002BE MOK002MO PIO001PI FAH002TA FEK003TE WAI012WC Ruapehu Di Zone Code NAT001NA OHA001OH OH001OH	Putaruru Tirau Tokoroa strict Distribution Zone Benneydale Mokau, Waitomo Piopio Taharoa Village Te Kuiti Waitomo Caves strict Distribution Zone National Park Ohakune Township Ohura	300 4,116 700 13,300 Population 280 200 500 300 4,612 500 4,612 500 Population 240 1,500 160	Minor Minor Large Size Small Small Small Minor Small Size Small Minor Small	Local Authority Local Authority Local Authority Type Local Authority Local Authority Local Authority Private Other Local Authority Private Other Local Authority Drivate Other	✓ ✓ ✓ Bacteria ✓ ✓ × × × × × × ×	× × × Protozoa × × × × × × ×	✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓
ARA003AR PUT001PU FIR001TI FOK001TO Waitomo Di Zone Code BEN002BE MOK002MO PIO001PI FAH002TA FEK003TE WAI012WC Ruapehu Di Zone Code NAT001NA DHA001OH DHU001OH DWH001OW PIR001PI	Putaruru Tirau Tokoroa strict Distribution Zone Benneydale Mokau, Waitomo Piopio Taharoa Village Te Kuiti Waitomo Caves strict Distribution Zone National Park Ohakune Township Ohura Owhango	300 4,116 700 13,300 Population 280 200 500 300 4,612 500 4,612 500 Population 240 1,500 160 200	Minor Minor Large Size Small Small Small Minor Small Size Small Minor Small Minor Small Small	Local Authority Local Authority Local Authority Type Local Authority Local Authority Local Authority Private Other Local Authority Private Other Local Authority Local Authority Local Authority Local Authority Local Authority	✓ ✓ ✓ Bacteria ✓ ✓ × × × × × × ×	× × × Protozoa × × × × × × ×	✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓
ARA003AR PUT001PU FIR001TI FOK001TO Waitomo Di Zone Code BEN002BE MOK002MO PIO001PI FAH002TA FEK003TE WAI012WC Ruapehu Di Zone Code NAT001NA DHA001OH DHU001OH DHU001OH DWH001OW PIR001PI RAE001RA	Putaruru Tirau Tokoroa strict Distribution Zone Benneydale Mokau, Waitomo Piopio Taharoa Village Te Kuiti Waitomo Caves strict Distribution Zone National Park Ohakune Township Ohura Owhango Piriaka	300 4,116 700 13,300 Population 280 200 500 300 4,612 500 4,612 500 200 1,500 160 200 120	Minor Minor Large Size Small Small Small Minor Small Size Small Minor Small Small Small Small Small	Local Authority Local Authority Local Authority Type Local Authority Local Authority Local Authority Private Other Local Authority Private Other Cocal Authority Local Authority Local Authority Local Authority Local Authority Local Authority Communal	✓ ✓ ✓ Bacteria ✓ ✓ × × × Bacteria	× × Protozoa × × × × × × × ×	✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓
ARA003AR PUT001PU TIR001TI TOK001TO Waitomo Di Zone Code BEN002BE MOK002MO PIO001PI TAH002TA TEK003TE WAI012WC	Putaruru Tirau Tokoroa strict Distribution Zone Benneydale Mokau, Waitomo Piopio Taharoa Village Te Kuiti Waitomo Caves strict Distribution Zone National Park Ohakune Township Ohura Owhango Piriaka Raetihi Township	300 4,116 700 13,300 Population 280 200 500 300 4,612 500 4,612 500 200 1,500 160 200 120 749	Minor Minor Large Size Small Small Small Minor Small Size Small Minor Small Small Small Small Small Small Small	Local Authority Local Authority Local Authority Type Local Authority Local Authority Local Authority Private Other Local Authority Private Other Local Authority Local Authority Local Authority Local Authority Local Authority Local Authority Local Authority Local Authority	✓ ✓ ✓ Bacteria ✓ ✓ × × Bacteria ✓ ✓ × ×	× × × Protozoa × × × × × × ×	✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓

	y of Plenty District						
Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa	Chemical
ATH003AT	Athenree	5,125	Medium	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
АТООЗКА	Katikati	5,700	Medium	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
DMO0030M	Omokoroa Minden	6,450	Medium	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
ON003PO	Pongakawa	4,600	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
TEP002TP	Te Puke	8,260	Medium	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
ГЕРО29ТВ	Te Puke Bush	200	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
Tauranga Ci	<b>+</b> \/						
<b>Fauranga Ci</b> Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa	Chemical
TAU004MP	Mt Maunganui - Papamoa	52,000	Large	Local Authority	√	√	√
TAU004IVIP	Tauranga - Bethlehem	51,783	Large	Local Authority	✓	· √	√
	ruurungu betmenem	51,705	Luige	Local Authority			
Whakatane				_			
Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa	Chemical
MAT005MA	Matata	690	Minor	Local Authority	$\checkmark$	×	$\checkmark$
MUR002MU	Murupara	2,060	Minor	Local Authority	$\checkmark$	×	$\checkmark$
RAN007ED	Edgecumbe	1,430	Minor	Local Authority	$\checkmark$	×	×
RAN007PR	Rangitaiki Plains Rural	2,486	Minor	Local Authority	$\checkmark$	×	×
RAN007TE	Te Teko	346	Small	Local Authority	$\checkmark$	×	×
RUA003RU	Ruatoki	560	Minor	Local Authority	$\checkmark$	×	$\checkmark$
UA008RU	Ruatahuna Village	300	Small	Private Other	×	×	$\checkmark$
AN001TA	Taneatua	790	Minor	Local Authority	$\checkmark$	×	$\checkmark$
EM004TE	Te Mahoe	120	Small	Local Authority	$\checkmark$	×	$\checkmark$
VAI017WA	Waimana	160	Small	Local Authority	$\checkmark$	×	$\checkmark$
VHA005OH	Ohope	6,000	Medium	Local Authority	√	×	✓
VHA005WH	Whakatane	15,020	Large	Local Authority	✓	×	√
	Whakatane	13,020	Luige	Local Authonity		~	
Kawerau Di							
Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa	Chemical
KAW003KA	Kawerau	6,921	Medium	Local Authority	$\checkmark$	×	$\checkmark$
XAW003UV	Upper Valley Road	800	Minor	Local Authority	×	×	$\checkmark$
Opotiki Dist	rict						
Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa	Chemical
KAI054KA	Kaiaio Hapu	160	Small	Marae	×	×	$\checkmark$
KUT003KU	Kutarere	300	Small	Communal	×	х	$\checkmark$
DMA016OM	Omaio	180	Small	Private Other	×	×	$\checkmark$
DPO001HI	Hikutaia, Opotiki	654	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
DPO0010P	Opotiki Town	3,876	Minor	Local Authority	√	$\checkmark$	✓
PAE005PA	Paerata East	112	Small	Private Other	×	×	<b>↓</b>
	Te Kaha			Local Authority	~	×	v √
EK004TE VHA031WH		150	Small	Local Authority Communal		×	✓ ✓
	Whanarua Bay	200	Small	Commund	×	^	v
Rotorua Dis							
Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa	Chemica
BRU005BR	Brunswick 4	110	Small	Private Other	×	$\checkmark$	$\checkmark$
1444000114	Hamurana	900	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
1AIVIUU3HA	Kaharoa	800	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
	Kallalua			,	$\checkmark$	×	×
IAM003KA	Kaingaroa	400	Small	Communal	•	~	
iam003ka (ai009ka	Kaingaroa				• √	×	$\checkmark$
IAM003KA KAI009KA MAM001MA	Kaingaroa Mamaku Township	868	Minor	Local Authority	$\checkmark$	×	$\checkmark$
IAM003KA XAI009KA MAM001MA IGO001NG	Kaingaroa Mamaku Township Ngongotaha Township	868 4,826	Minor Minor	Local Authority Local Authority	$\checkmark$	× ✓	$\checkmark$
IAM003KA (AI009KA /IAM001MA \GO001NG REP001RE	Kaingaroa Mamaku Township Ngongotaha Township Reporoa	868 4,826 1,060	Minor Minor Minor	Local Authority Local Authority Local Authority	$\checkmark$	× ✓	$\checkmark$
HAM003KA KAI009KA MAM001MA NGO001NG REP001RE ROT001OK	Kaingaroa Mamaku Township Ngongotaha Township Reporoa Okareka	868 4,826 1,060 730	Minor Minor Minor Minor	Local Authority Local Authority Local Authority Local Authority	✓ ✓ ✓	×	$\checkmark$
AM003KA (AI009KA //AM001MA IGO001NG REP001RE ROT001OK ROT001RE	Kaingaroa Mamaku Township Ngongotaha Township Reporoa Okareka Rotorua Eastern Suburbs	868 4,826 1,060 730 9,600	Minor Minor Minor Minor Medium	Local Authority Local Authority Local Authority Local Authority Local Authority		×	$\begin{array}{c} \checkmark \\ \checkmark \\ \checkmark \\ \checkmark \\ \checkmark \\ \checkmark \end{array}$
HAM003KA KAI009KA MAM001MA NGO001NG REP001RE ROT001OK ROT001RE ROT002RO	Kaingaroa Mamaku Township Ngongotaha Township Reporoa Okareka Rotorua Eastern Suburbs Rotoma	868 4,826 1,060 730 9,600 340	Minor Minor Minor Minor Medium Small	Local Authority Local Authority Local Authority Local Authority Local Authority Local Authority	$\begin{array}{c} \checkmark \\ \checkmark \end{array}$	×	$\begin{array}{c} \checkmark \\ \checkmark \end{array}$
HAM003HA HAM003KA (AI009KA MAM001MA NGO001NG REP001RE ROT001OK ROT001RE ROT001RE ROT002RO ROT002RO ROT003RO ROT004RO	Kaingaroa Mamaku Township Ngongotaha Township Reporoa Okareka Rotorua Eastern Suburbs	868 4,826 1,060 730 9,600	Minor Minor Minor Minor Medium	Local Authority Local Authority Local Authority Local Authority Local Authority		×	$\checkmark$

### **Taupo District**

Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa	Chemica
ACA001AC	Acacia Bay	1,512	Minor	Local Authority	x	х	×
ACA001MA	Mapara Road Rural	869	Minor	Local Authority	$\checkmark$	×	$\checkmark$
ATI001AV	Atiamuri Village	134	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
BON001BO	Bonshaw Park	152	Small	Local Authority	$\checkmark$	×	$\checkmark$
CEN001RR	Rakanui Road	200	Small	Local Authority	$\checkmark$	×	×
HAT001HV	Hatepe Village	174	Small	Local Authority	$\checkmark$	×	×
KIN001KI	Kinloch Town	1,604	Minor	Local Authority	$\checkmark$	×	×
KIN010KI	Kinloch Park	140	Small	Private Other	×	×	$\checkmark$
MAN002MA	Mangakino	1,312	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
мотоо2мо	Motuoapa	739	Minor	, Local Authority	$\checkmark$	х	×
ОМО0010М	Omori / Kuratau / Pukawa	1,783	Minor	, Local Authority	$\checkmark$	х	×
RIV003RI	River Rd Reporoa	197	Small	, Local Authority	$\checkmark$	х	$\checkmark$
TAU001TC	Taupo Central & West	17,105	Large	, Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
TAU001TS	Taupo - Taupo South	6,396	Medium	, Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
TIR002SC	Serenity Cove	137	Small	, Local Authority	×	×	$\checkmark$
TIR002TI	Tirohanga	190	Small	, Local Authority	$\checkmark$	×	$\checkmark$
TUR001TO	Tokaanu	360	Small	, Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
TUR001TU	Turangi	3,578	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
WHA010WH	Whareroa	313	Small	Local Authority	$\checkmark$	×	$\checkmark$
WHA011WH	Whakamaru	116	Small	Local Authority	$\checkmark$	×	$\checkmark$
<b>Gisborne Di</b> s Zone Code	<b>strict</b> Distribution Zone	Population	Size	Туре	Bacteria	Protozoa	Chemica
	Distribution Zone	ropalation					
		•	Small	Communal	×	х	$\checkmark$
ENI001MA	Mangahauini	130	Small Large	Communal Local Authority		× √	√ √
ENI001MA GIS001GI	Mangahauini Gisborne City	130 29,600	Large	Local Authority	×		
ENIO01MA GISO01GI GISO01RU TEK002TE	Mangahauini	130		Local Authority Local Authority	× ✓	$\checkmark$	$\checkmark$
ENIO01MA GISO01GI GISO01RU	Mangahauini Gisborne City Gisborne Rural Te Karaka	130 29,600 1,000	Large Minor	Local Authority	× ~ ~	$\checkmark$	$\checkmark$
ENIO01MA GISO01GI GISO01RU TEKO02TE TEP001TE	Mangahauini Gisborne City Gisborne Rural	130 29,600 1,000 491	Large Minor Small	Local Authority Local Authority Local Authority Health	×	$\checkmark$	$\checkmark$
ENIO01MA GISO01GI GISO01RU TEKO02TE TEP001TE WHA004WH	Mangahauini Gisborne City Gisborne Rural Te Karaka Te Puia Springs Hosp & Village Whatatutu	130 29,600 1,000 491 300	Large Minor Small Small	Local Authority Local Authority Local Authority	×	✓ ✓ ✓ ×	$\checkmark$
ENI001MA GIS001GI GIS001RU TEK002TE TEP001TE WHA004WH New Plymou	Mangahauini Gisborne City Gisborne Rural Te Karaka Te Puia Springs Hosp & Village Whatatutu <b>uth District</b>	130 29,600 1,000 491 300 200	Large Minor Small Small Small	Local Authority Local Authority Local Authority Health Local Authority	×	√ √ × ×	$\begin{array}{c} \checkmark \\ \checkmark \\ \checkmark \\ \checkmark \\ \checkmark \\ \checkmark \end{array}$
ENI001MA GIS001GI GIS001RU TEK002TE TEP001TE WHA004WH New Plymou Zone Code	Mangahauini Gisborne City Gisborne Rural Te Karaka Te Puia Springs Hosp & Village Whatatutu <b>Ith District</b> Distribution Zone	130 29,600 1,000 491 300 200 Population	Large Minor Small Small Small Size	Local Authority Local Authority Local Authority Health Local Authority Type	× ✓ ✓ ✓ ✓ Machine	√ √ × × Protozoa	√ √ √ √ Chemica
ENI001MA GIS001GI GIS001RU TEK002TE TEP001TE WHA004WH New Plymou Zone Code ING001IN	Mangahauini Gisborne City Gisborne Rural Te Karaka Te Puia Springs Hosp & Village Whatatutu <b>Ith District</b> Distribution Zone Inglewood	130 29,600 1,000 491 300 200 Population 3,983	Large Minor Small Small Small Size Minor	Local Authority Local Authority Health Local Authority Type Local Authority	× ✓ ✓ ✓ ✓ Bacteria	✓ ✓ × × Protozoa	✓ ✓ ✓ ✓ ✓ Chemica
ENI001MA GIS001GI GIS001RU TEK002TE TEP001TE WHA004WH New Plymou Zone Code ING001IN NEW002BE	Mangahauini Gisborne City Gisborne Rural Te Karaka Te Puia Springs Hosp & Village Whatatutu <b>Ith District</b> Distribution Zone Inglewood Bell Block	130 29,600 1,000 491 300 200 Population 3,983 4,820	Large Minor Small Small Small Size Minor Minor	Local Authority Local Authority Health Local Authority Type Local Authority Local Authority	× ✓ ✓ ✓ ✓ Bacteria	✓ ✓ × × × Protozoa	√ √ √ √ Chemica
ENI001MA GIS001GI GIS001RU TEK002TE TEP001TE WHA004WH New Plymou Zone Code ING001IN NEW002BE NEW002LE	Mangahauini Gisborne City Gisborne Rural Te Karaka Te Puia Springs Hosp & Village Whatatutu <b>Uth District</b> Distribution Zone Inglewood Bell Block Lepperton	130 29,600 1,000 491 300 200 Population 3,983 4,820 200	Large Minor Small Small Small Size Minor Minor Small	Local Authority Local Authority Health Local Authority Type Local Authority Local Authority Local Authority	× ✓ ✓ ✓ ✓ Bacteria ✓ ✓	✓ ✓ × × × Protozoa ✓ ✓ ✓	√ √ √ √ ✓ Chemica √ √ √
ENI001MA GIS001GI GIS001RU TEK002TE TEP001TE WHA004WH New Plymou Zone Code ING001IN NEW002BE NEW002LE NEW002NE	Mangahauini Gisborne City Gisborne Rural Te Karaka Te Puia Springs Hosp & Village Whatatutu <b>4th District</b> Distribution Zone Inglewood Bell Block Lepperton New Plymouth	130 29,600 1,000 491 300 200 Population 3,983 4,820 200 45,420	Large Minor Small Small Small Size Minor Minor Small Large	Local Authority Local Authority Local Authority Health Local Authority Local Authority Local Authority Local Authority Local Authority	× ✓ ✓ ✓ ✓ ✓ Bacteria ✓ ✓ ✓ ✓	✓ ✓ × × × Protozoa	√ √ √ √ ✓ Chemica √ √ √ √
ENI001MA GIS001GI GIS001RU TEK002TE TEP001TE WHA004WH New Plymou Zone Code ING001IN NEW002BE NEW002LE NEW002LE NEW002UR	Mangahauini Gisborne City Gisborne Rural Te Karaka Te Puia Springs Hosp & Village Whatatutu <b>Ath District</b> Distribution Zone Inglewood Bell Block Lepperton New Plymouth Urenui/Tikorangi	130 29,600 1,000 491 300 200 Population 3,983 4,820 200 45,420 1,030	Large Minor Small Small Small Size Minor Minor Small Large Minor	Local Authority Local Authority Health Local Authority Mealth Local Authority Local Authority Local Authority Local Authority Local Authority	× ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓	✓ ✓ × × × × Protozoa	✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓
ENI001MA GIS001GI GIS001RU TEK002TE TEP001TE WHA004WH New Plymou Zone Code ING001IN NEW002BE NEW002LE NEW002NE	Mangahauini Gisborne City Gisborne Rural Te Karaka Te Puia Springs Hosp & Village Whatatutu <b>4th District</b> Distribution Zone Inglewood Bell Block Lepperton New Plymouth	130 29,600 1,000 491 300 200 Population 3,983 4,820 200 45,420	Large Minor Small Small Small Size Minor Minor Small Large	Local Authority Local Authority Local Authority Health Local Authority Local Authority Local Authority Local Authority Local Authority	× ✓ ✓ ✓ ✓ ✓ Bacteria ✓ ✓ ✓ ✓	✓ ✓ × × × Protozoa	√ √ √ √ ✓ Chemica √ √ √ √

# **Stratford District**

Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa	Chemical
MID001MI	Midhirst	200	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
STR001ST	Stratford	6,773	Medium	Local Authority	$\checkmark$	×	$\checkmark$

# South Taranaki District

Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa	Chemical
COL005PI	Pihama	350	Small	Private Other	$\checkmark$	х	$\checkmark$
ELT001EL	Eltham	1,980	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
HAW003HA	Hawera	8,550	Medium	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
HAW003NO	Normanby	850	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
HAW003OH	Ohawe Beach	210	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
INA001IN	Inaha	495	Small	Local Authority	$\checkmark$	×	$\checkmark$
OPU001OP	Opunake	1,370	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
PAT001PA	Patea	1,150	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
RAH001RA	Rahotu	115	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$

Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa	Chemical
WAI018KA	Kaponga	370	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
WAI018MA	Manaia	925	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
WAI018RU	Waimate West Rural	1,585	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
WAV001WA	Waverley	950	Minor	Local Authority	×	$\checkmark$	$\checkmark$
				200017101101101			
Wairoa Distr	rict						
Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa	Chemical
RAU006RA	Raupunga	250	Small	Communal	×	х	$\checkmark$
TUA005TU	Tuai	300	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
WAI006FR	Frasertown	350	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
WAI006WA	Wairoa	4,300	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
Napier City							
Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa	Chemica
BAY001BA	Bayview Township	894	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
NAP001NA	Napier City	25,800	Large	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
NAP001TA	Taradale	24,110	Large	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
		)					
Hastings Dis			<i></i>	_			
Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa	Chemica
CLI001AL	Allen Lane/Ferry Rd, Clive	198	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
CLI001VA	Valerie St/Tuckers Lane, Clive	362	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
HAS001BP	Bridge Pa	300	Small	Local Authority	×	×	$\checkmark$
HAS001EA	Hastings East	16,668	Large	Local Authority	×	×	$\checkmark$
HAS001FL	Flaxmere	12,171	Large	Local Authority	×	×	$\checkmark$
HAS001HN	Havelock North	15,370	Large	Local Authority	$\checkmark$	×	$\checkmark$
HAS001PA	Paki Paki	200	Small	Local Authority	$\checkmark$	×	$\checkmark$
HAS001WE	Hastings West & Central	20,055	Large	Local Authority	×	×	$\checkmark$
HAU002HA	Haumoana / Te Awanga	1,900	Minor	Local Authority	$\checkmark$	×	$\checkmark$
OMA0080M	Omahu	126	Small	Local Authority	$\checkmark$	×	$\checkmark$
PAR025PA	Parkhill Farm	288	Small	Local Authority	×	×	$\checkmark$
WAI007WA	Waimarama	260	Small	Local Authority	×	×	$\checkmark$
WHA029WH	Whakatu	337	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
WHI007WH	Whirinaki, Hawkes Bay	750	Minor	Local Authority	$\checkmark$	×	$\checkmark$
Central Haw	kes Bay District						
Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa	Chemica
FAR001FA	Farm Road	120	Small	Communal	х	х	$\checkmark$
POR003PT	Porangahau Township	130	Small	Local Authority	$\checkmark$	x	$\checkmark$
ТАКОО1ТА	Takapau Township	570	Minor	Local Authority	×	$\checkmark$	$\checkmark$
WAI004HI	Waipukurau High Pressure Zone	3,000	Minor	Local Authority	$\checkmark$	×	$\checkmark$
WAI004LO	Waipukurau Low Pressure Zone	666	Minor	Local Authority	$\checkmark$	×	$\checkmark$
WAI0050T	Otane Township	546	Minor	Local Authority	$\checkmark$	×	$\checkmark$
WAI005WA	Waipawa Township	1,809	Minor	Local Authority	$\checkmark$	×	$\checkmark$
Chatham Isla	ands						
Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa	Chemica
WAI158WA	Waitangi, Chatham Is.	125	Small	Local Authority	✓	√	√
		123		Local Authority			
Wanganui D		Deve 1 st	C:	Tura	D- · ·	Duri	a ·
Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa	Chemica
BRU001BR	Brunswick-Westmere	450	Small	Local Authority	$\checkmark$	√	√.
FOR001FO	Fordell Township	350	Small	Local Authority	<b>√</b>	√	√.
MAX001MA	Maxwell	200	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
MOW001MO	Mowhanau Beach	300	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
WAN001AR	Aramoho	5,000	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
WAN001EA	Wanganui East	5,000	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
						$\checkmark$	$\checkmark$

### **Rangitikei District**

Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa	Chemical
BUL001BU	Bulls Township	1,800	Minor	Local Authority	$\checkmark$	×	$\checkmark$
HUN001HU	Hunterville Township	400	Small	Local Authority	$\checkmark$	×	$\checkmark$
MAN001MA	Mangaweka Township	180	Small	Local Authority	$\checkmark$	×	$\checkmark$
MAR001MA	Marton Township	3,750	Minor	Local Authority	$\checkmark$	×	$\checkmark$
RAT001RA	Ratana Township	450	Small	Local Authority	$\checkmark$	×	$\checkmark$
TAI001TA	Taihape Township	2,200	Minor	Local Authority	$\checkmark$	×	$\checkmark$

### Manawatu District

Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa	Chemical
FEI001FE	Feilding	13,000	Large	Local Authority	×	×	×
HAL001HA	Halcombe-Stanway	430	Small	Local Authority	$\checkmark$	×	$\checkmark$
HIM001HI	Himatangi Beach	438	Small	Local Authority	$\checkmark$	×	$\checkmark$
KIW003KI	Kimbolton	150	Small	Communal	×	×	$\checkmark$
OHA002OH	Ohakea	800	Minor	Government Other	r √	×	$\checkmark$
RON002RO	Rongotea	300	Small	Local Authority	$\checkmark$	×	$\checkmark$
SAN001SA	Sanson	492	Small	Local Authority	$\checkmark$	×	$\checkmark$
WAI022WA	Waituna West	200	Small	Local Authority	$\checkmark$	×	$\checkmark$

# **Palmerston North City**

Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa	Chemical
ASH001AS	Ashhurst	2,800	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
BUN001BU	Bunnythorpe	450	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
LIN001LI	Linton	4,500	Minor	Government Other	r √	×	$\checkmark$
LON001LO	Longburn	240	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
LON002SC	Longburn Adventist College	300	Small	Education Public	×	×	$\checkmark$
LON006BR	Longburn, Brandlines	150	Small	Private Other	×	×	$\checkmark$
MAS001MA	Massey University	9,000	Medium	Private Other	$\checkmark$	$\checkmark$	$\checkmark$
PAL001AO	Aokautere	2,739	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
PAL001FW	Fitzherbert West	450	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
PAL001KG	Kelvin Grove	5,784	Medium	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
PAL001PC	Palmerston North City	58,680	Large	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$

### **Tararua District**

Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa	Chemical
DAN001DA	Dannevirke	6,000	Medium	Local Authority	×	×	$\checkmark$
EKE001EK	Eketahuna	456	Small	Local Authority	$\checkmark$	×	$\checkmark$
NOR002NO	Norsewood	200	Small	Local Authority	$\checkmark$	×	$\checkmark$
PAH001PA	Pahiatua	2,700	Minor	Local Authority	$\checkmark$	×	$\checkmark$
PLE002PL	Pleckville	200	Small	Communal	×	×	$\checkmark$
PON001PO	Pongaroa	200	Small	Communal	$\checkmark$	×	$\checkmark$
W00001W0	Woodville	1,500	Minor	Local Authority	×	×	$\checkmark$

### **Horowhenua District**

Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa	Chemical
FOX002FO	Foxton	2,700	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
FOX003FO	Foxton Beach	1,900	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
LEV001LE	Levin	20,000	Large	Local Authority	$\checkmark$	×	$\checkmark$
SHA001SH	Shannon	1,436	Minor	Local Authority	$\checkmark$	×	$\checkmark$
TOK002TO	Tokomaru	550	Minor	Local Authority	$\checkmark$	×	×

### Kapiti Coast District

Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa	Chemical
HAU003HA	Hautere	700	Minor	Local Authority	$\checkmark$	×	$\checkmark$
OTA003OT	Otaki	4,700	Minor	Local Authority	$\checkmark$	×	$\checkmark$
OTA003WA	Waitohu	1,000	Minor	Local Authority	$\checkmark$	×	$\checkmark$
PAE002PA	Paekakariki	1,665	Minor	Local Authority	$\checkmark$	×	$\checkmark$
WAI010PA	Paraparaumu/Raumati	25,200	Large	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
WAI010WA	Waikanae	10,600	Large	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$

	City	<b>D</b>	<u>c</u> .	-	<b>.</b>	<b>.</b> .	
Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa	Chemical
JPP001PI	Pinehaven	3,090	Minor	Local Authority	<b>√</b>	$\checkmark$	√
JPP001UP	Upper Hutt Central	31,560	Large	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
The Hutt Cit	ÿ						
Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa	Chemical
OW001EA	Eastbourne	4,704	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
OW001HA	Haywards	372	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
.OW001LO	Lower Hutt	56,103	Large	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
OW001PE	Petone	8,034	Medium	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
OW001ST	Stokes Valley	9,198	Medium	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
OW001WA	Wainuiomata	17,058	Large	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
Porirua City							
Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa	Chemical
UD001JU	Judgeford	200	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
POR001MA	Mana/Plimmerton/Paremata	5,184	Medium	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
OR001PH	Porirua High Level	15,398	Large	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
POR001PL	Porirua Low Level	16,924	Large	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
POR001PU	Pukerua Bay	1,656	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
POR001WH	Whitby	7,282	Medium	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
Vellington	City						
Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa	Chemica
WEL002BR	Brooklyn	9,765	Medium	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
NEL002CH	Churton	4,446	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
VELO02EA	Eastern Wellington	16,815	Large	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
VEL002JO	Johnsonville	18,357	Large	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
NELOO2KA	Karori	13,146	Large	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
VELOO2KE	Kelburn	9,924	Medium	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
WELOOZINE	Onslow	11,883	Large	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
NEL002SO	Southern Wellington	30,024	Large	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
WEL00250	Tawa	12,903	Large	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
WELOO2TA	Wadestown	6,789	Medium	Local Authority	$\checkmark$	$\checkmark$	√
WEL002WA	Wellington Central	31,074	Large	Local Authority	√	· ✓	$\checkmark$
	<b>N</b> <sup>1</sup> -4-1-4						
		Population	Size	Type	Bacteria	Protozoa	Chemical
Zone Code	Distribution Zone	Population	Size	Type	Bacteria	Protozoa	
Zone Code ER001FE	Distribution Zone Fernridge	320	Small	Communal	$\checkmark$	$\checkmark$	$\checkmark$
Zone Code ER001FE MAS002MA	Distribution Zone Fernridge Masterton	320 19,000	Small Large	Communal Local Authority	√ √	$\checkmark$	$\checkmark$
Zone Code ER001FE MAS002MA DPA001OP	Distribution Zone Fernridge Masterton Opaki	320 19,000 680	Small Large Minor	Communal Local Authority Communal	$\checkmark$	√ √ ×	$\checkmark$
Zone Code FER001FE MAS002MA OPA001OP TIN002TI	Distribution Zone Fernridge Masterton	320 19,000	Small Large	Communal Local Authority	√ √	$\checkmark$	$\checkmark$
Zone Code FER001FE MAS002MA DPA001OP TIN002TI WAI058WA	Distribution Zone Fernridge Masterton Opaki Tinui Wainuioru Rural Water	320 19,000 680 120	Small Large Minor Small	Communal Local Authority Communal Local Authority	$\checkmark$	√ √ × √	$\checkmark$
Masterton I Zone Code FER001FE MAS002MA DPA001OP TIN002TI WAI058WA Carterton D Zone Code	Distribution Zone Fernridge Masterton Opaki Tinui Wainuioru Rural Water istrict	320 19,000 680 120 184	Small Large Minor Small Small	Communal Local Authority Communal Local Authority Communal	√ √ √ ×	√ √ × √ ×	✓ ✓ ✓ ✓
Zone Code FER001FE MAS002MA DPA001OP TIN002TI WAI058WA Carterton D Zone Code	Distribution Zone Fernridge Masterton Opaki Tinui Wainuioru Rural Water istrict Distribution Zone	320 19,000 680 120 184 Population	Small Large Minor Small Small Size	Communal Local Authority Communal Local Authority Communal	✓ ✓ ✓ × Bacteria	√ √ × √ × Protozoa	√ ✓ ✓ ✓ ✓
Zone Code FER001FE MAS002MA DPA001OP FIN002TI WAI058WA Carterton D Zone Code	Distribution Zone Fernridge Masterton Opaki Tinui Wainuioru Rural Water istrict	320 19,000 680 120 184	Small Large Minor Small Small	Communal Local Authority Communal Local Authority Communal	√ √ √ ×	√ √ × √ ×	✓ ✓ ✓ ✓
Zone Code FER001FE MAS002MA DPA001OP FIN002TI WAI058WA Carterton D Zone Code CAR001CA	Distribution Zone Fernridge Masterton Opaki Tinui Wainuioru Rural Water istrict Distribution Zone Carterton arapa District	320 19,000 680 120 184 Population 4,200	Small Large Minor Small Small Size Minor	Communal Local Authority Communal Local Authority Communal	✓ ✓ ✓ × Bacteria	√ √ × √ × Protozoa	√ √ √ √ Chemical
Zone Code EER001FE MAS002MA DPA001OP TIN002TI WAI058WA Carterton D Zone Code CAR001CA South Waira Zone Code	Distribution Zone Fernridge Masterton Opaki Tinui Wainuioru Rural Water istrict Distribution Zone Carterton	320 19,000 680 120 184 Population	Small Large Minor Small Small Size	Communal Local Authority Communal Local Authority Communal	✓ ✓ ✓ × Bacteria	√ √ × √ × Protozoa	√ √ √ √ Chemical
Zone Code EER001FE MAS002MA DPA001OP TIN002TI WAI058WA Carterton D Zone Code CAR001CA South Waira Zone Code	Distribution Zone Fernridge Masterton Opaki Tinui Wainuioru Rural Water istrict Distribution Zone Carterton arapa District	320 19,000 680 120 184 Population 4,200	Small Large Minor Small Small Size Minor	Communal Local Authority Communal Local Authority Communal Type Local Authority	√ √ √ × Bacteria	√ √ × √ × Protozoa ×	√ √ √ √ Chemical
Zone Code FERO01FE MAS002MA DPA001OP TIN002TI WAI058WA Carterton D Zone Code CAR001CA South Waira Zone Code FEA001FE	Distribution Zone Fernridge Masterton Opaki Tinui Wainuioru Rural Water istrict Distribution Zone Carterton arapa District Distribution Zone	320 19,000 680 120 184 Population 4,200	Small Large Minor Small Small Size Minor	Communal Local Authority Communal Local Authority Communal Type Local Authority Type	✓ ✓ ✓ × Bacteria ✓	✓ ✓ × ✓ × Protozoa × Protozoa	√ √ √ √ Chemical ✓
Zone Code FER001FE MAS002MA DPA001OP TIN002TI WAI058WA Carterton D Zone Code CAR001CA	Distribution Zone Fernridge Masterton Opaki Tinui Wainuioru Rural Water istrict Distribution Zone Carterton arapa District Distribution Zone Featherston	320 19,000 680 120 184 Population 4,200 Population 2,580	Small Large Minor Small Small Size Minor Size Minor	Communal Local Authority Communal Local Authority Communal Type Local Authority Type Local Authority	✓ ✓ ✓ × Bacteria ✓ Bacteria	✓ ✓ × ✓ × Protozoa × Protozoa ×	✓ ✓ ✓ ✓ ✓ ✓ Chemical ✓ Chemical
Zone Code FER001FE MAS002MA DPA001OP FIN002TI WAI058WA Carterton D Zone Code CAR001CA South Waira Zone Code FEA001FE GRE002GR MAR003MA	Distribution Zone Fernridge Masterton Opaki Tinui Wainuioru Rural Water istrict Distribution Zone Carterton arapa District Distribution Zone Featherston Greytown	320 19,000 680 120 184 Population 4,200 Population 2,580 1,952	Small Large Minor Small Small Size Minor Size Minor Minor	Communal Local Authority Communal Local Authority Communal Type Local Authority Type Local Authority Local Authority	✓ ✓ ✓ × Bacteria ✓ Bacteria × ×	✓ × × × Protozoa × Protozoa × ×	✓ ✓ ✓ ✓ ✓ Chemica ✓ Chemica × ✓
Zone Code ER001FE MAS002MA DPA001OP TIN002TI WAI058WA Carterton D Zone Code CAR001CA South Waira Zone Code EA001FE GRE002GR MAR003MA Nelson City	Distribution Zone Fernridge Masterton Opaki Tinui Wainuioru Rural Water istrict Distribution Zone Carterton arapa District Distribution Zone Featherston Greytown	320 19,000 680 120 184 Population 4,200 Population 2,580 1,952	Small Large Minor Small Small Size Minor Size Minor Minor	Communal Local Authority Communal Local Authority Communal Type Local Authority Type Local Authority Local Authority	✓ ✓ ✓ × Bacteria ✓ Bacteria × ×	✓ × × × Protozoa × Protozoa × ×	✓ ✓ ✓ ✓ ✓ Chemical ✓ Chemical × ✓
Zone Code FER001FE MAS002MA DPA001OP FIN002TI WAI058WA Carterton D Zone Code CAR001CA South Waira Zone Code FEA001FE GRE002GR	Distribution Zone Fernridge Masterton Opaki Tinui Wainuioru Rural Water istrict Distribution Zone Carterton arapa District Distribution Zone Featherston Greytown Martinborough	320 19,000 680 120 184 Population 4,200 Population 2,580 1,952 1,505	Small Large Minor Small Small Size Minor Size Minor Minor Minor	Communal Local Authority Communal Local Authority Communal Type Local Authority Type Local Authority Local Authority Local Authority	✓ ✓ ✓ × Bacteria ✓ Bacteria × × ×	✓ × × × Protozoa × Protozoa × × ×	✓ ✓ ✓ ✓ ✓ ✓ Chemical ✓ Chemical × ✓

### **Tasman District**

Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa	Chemical
APP002AP	Appleby Hills	250	Small	Communal	$\checkmark$	$\checkmark$	$\checkmark$
CEN002CT	Central Takaka	125	Small	Communal	×	×	$\checkmark$
COL007CO	Collingwood	450	Small	Local Authority	$\checkmark$	×	$\checkmark$
DOV001DO	Dovedale Rural	450	Small	Local Authority	×	×	$\checkmark$
EIG001EI	Eighty Eight Valley Rural	200	Small	Local Authority	$\checkmark$	×	$\checkmark$
HOP001HO	Hope/Brightwater	2,730	Minor	Local Authority	$\checkmark$	×	$\checkmark$
KAI015KA	Kaiteriteri	300	Small	Local Authority	$\checkmark$	×	$\checkmark$
LAK013LA	Lake Rotoiti	200	Small	DOC	$\checkmark$	$\checkmark$	$\checkmark$
LOW006LO	Lower Moutere Scheme 1	450	Small	Communal	×	×	$\checkmark$
MAP003MR	Mapua Rise	192	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
MOT001MO	Motueka	1,200	Minor	Local Authority	$\checkmark$	×	$\checkmark$
MUR001MU	Murchison	490	Small	Local Authority	$\checkmark$	×	$\checkmark$
POH001PV	Pohara	150	Small	Local Authority	$\checkmark$	×	$\checkmark$
RED001R1	Redwood Valley 1	180	Small	Local Authority	$\checkmark$	×	$\checkmark$
RED003R2	Redwood Valley 2	370	Small	Local Authority	$\checkmark$	×	$\checkmark$
RIC002RI	Richmond	10,500	Large	Local Authority	$\checkmark$	×	$\checkmark$
RIC002WI	Waimea Industrial	1,800	Minor	Local Authority	$\checkmark$	×	$\checkmark$
TAP003TA	Tapawera	400	Small	Local Authority	$\checkmark$	×	$\checkmark$
WAI023MR	Mapua Ruby Bay	2,500	Minor	Local Authority	$\checkmark$	×	$\checkmark$
WAK001WA	Wakefield	1,500	Minor	Local Authority	$\checkmark$	×	$\checkmark$

# **Marlborough District**

Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa	Chemical
BLE001BL	Blenheim	24,028	Large	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
HAV002HA	Havelock	618	Minor	Local Authority	$\checkmark$	×	$\checkmark$
PIC001PI	Picton/Waikawa	4,185	Minor	Local Authority	$\checkmark$	×	$\checkmark$
RAR001RA	Rarangi	160	Small	Communal	$\checkmark$	×	$\checkmark$
REN001RE	Renwick	1,884	Minor	Local Authority	$\checkmark$	×	$\checkmark$
RIV002RI	Riverlands Industrial Estate	740	Minor	Local Authority	$\checkmark$	×	$\checkmark$
SED001DA	Dashwood Rural	333	Small	Local Authority	$\checkmark$	×	$\checkmark$
SED001SE	Seddon, Awatere Valley	1,000	Minor	Local Authority	$\checkmark$	×	×
WAI034WA	Wairau Valley	160	Small	Local Authority	$\checkmark$	×	$\checkmark$
WAR003WA	Ward	250	Small	Communal	×	×	$\checkmark$
WOO004WO	Woodbourne RNZAF Base	1,500	Minor	Government Othe	r √	×	$\checkmark$

# **Buller District**

Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa	Chemical
HEC001HE	Hector	300	Small	Local Authority	×	×	$\checkmark$
HEC001NG	Ngakawau	135	Small	Local Authority	×	×	$\checkmark$
LIT003LI	Little Wanganui	150	Small	Local Authority	×	×	$\checkmark$
PUN001PU	Punakaiki	230	Small	Local Authority	×	×	$\checkmark$
REE001RE	Reefton	951	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
WAI001WA	Waimangaroa	300	Small	Local Authority	×	×	$\checkmark$
WES001CA	Carters Beach	357	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
WES001WE	Westport	4,617	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$

# **Grey District**

Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa	Chemical
BLA001BL	Blackball	280	Small	Local Authority	$\checkmark$	×	$\checkmark$
GRE001CO	Cobden	1,650	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
GRE001DO	Dobson	430	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
GRE001GM	Greymouth	5,950	Medium	Local Authority	$\checkmark$	$\checkmark$	×
GRE001TA	Taylorville	190	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
RUN001RU	Runanga	1,190	Minor	Local Authority	×	×	$\checkmark$

### Westland District

Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa	Chemical
FOX001FO	Fox Glacier	252	Small	Local Authority	$\checkmark$	×	$\checkmark$
FRA001FR	Franz Josef	2,611	Minor	Local Authority	$\checkmark$	×	$\checkmark$
HAR001HA	Harihari	348	Small	Local Authority	×	×	$\checkmark$
HOK001HO	Hokitika	3,447	Minor	Local Authority	$\checkmark$	×	$\checkmark$
KUM001KU	Kumara	318	Small	Local Authority	×	×	$\checkmark$
ROS001RO	Ross Township	291	Small	Local Authority	$\checkmark$	×	$\checkmark$
WHA002WH	Whataroa	405	Small	Local Authority	$\checkmark$	×	$\checkmark$

# Kaikoura District

Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa	Chemical
FER003FE	Fernleigh Rural Water Supply	150	Small	Local Authority	$\checkmark$	×	$\checkmark$
KAI004KU	Kaikoura Urban	2,500	Minor	Local Authority	$\checkmark$	×	$\checkmark$
KAI021EA	Kaikoura East Coast Rural	150	Small	Local Authority	×	×	$\checkmark$
KIN003KI	Kincaid Rural Water Supply	120	Small	Local Authority	$\checkmark$	×	$\checkmark$
OAR001OA	Oaro	400	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
OCE002OC	Ocean Ridge	500	Small	Local Authority	$\checkmark$	×	$\checkmark$

# Hurunui District

Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa	Chemical
AMB001AT	Amberley Town	1,578	Minor	Local Authority	×	$\checkmark$	$\checkmark$
AMB001BE	Amberley Beach	343	Small	Local Authority	×	$\checkmark$	$\checkmark$
AMU001RO	Rotherham Township and Rural	699	Minor	Local Authority	×	×	$\checkmark$
ASH002AS	Ashley/Sefton/Loburn	4,527	Minor	Local Authority	$\checkmark$	×	$\checkmark$
ASH002LB	Leithfield Beach	402	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
ASH002LE	Leithfield	903	Minor	Local Authority	$\checkmark$	×	$\checkmark$
BAL003BA	Balmoral Rural	273	Small	Local Authority	$\checkmark$	×	$\checkmark$
BRO016BR	Broomfield	565	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
CHE001CT	Cheviot Town	795	Minor	Local Authority	$\checkmark$	×	$\checkmark$
CUL001CU	Culverden	366	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
HAN001HA	Hanmer Town	948	Minor	Local Authority	$\checkmark$	×	$\checkmark$
HAW001HW	Hawarden/Waikari	753	Minor	Local Authority	$\checkmark$	×	$\checkmark$
КАІОЗ9КА	Kaiwara	129	Small	Local Authority	$\checkmark$	×	$\checkmark$
LOW010LW	Lower Waitohi	315	Small	Local Authority	$\checkmark$	×	$\checkmark$
MOT016MO	Motunau, Greta, Scargill	681	Minor	Local Authority	$\checkmark$	×	$\checkmark$
PAR009PA	Parnassus Rural	210	Small	Local Authority	$\checkmark$	×	$\checkmark$
WAI026WT	Waiau Township	255	Small	Local Authority	$\checkmark$	×	$\checkmark$
WAI066UP	Waitohi Upper, Waipara	513	Minor	Local Authority	×	×	$\checkmark$
WAI067WA	Waiau Rural	435	Small	Local Authority	$\checkmark$	×	$\checkmark$
WAI068WA	Waipara Township	285	Small	Local Authority	$\checkmark$	×	$\checkmark$

# Waimakariri District

Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa	Chemical
CUS001CU	Cust	343	Small	Local Authority	$\checkmark$	х	$\checkmark$
FER002FE	Fernside	210	Small	Local Authority	$\checkmark$	×	$\checkmark$
GAR001GA	Garrymere	105	Small	Local Authority	$\checkmark$	×	$\checkmark$
KAI003KA	Kaiapoi	12,168	Large	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
MAN009MA	Mandeville	2,023	Minor	Local Authority	$\checkmark$	×	$\checkmark$
OHO0010H	Ohoka	218	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
OXF101OX	Oxford Rural No1	775	Minor	Local Authority	$\checkmark$	×	$\checkmark$
OXF102OR	Oxford Rural No2	773	Minor	Local Authority	$\checkmark$	×	$\checkmark$
OXF103OX	Oxford Urban	2,173	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
PEG001PE	Pegasus	4,005	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
POY001PO	Poyntz Road	205	Small	Local Authority	$\checkmark$	×	$\checkmark$
RAN001RA	Rangiora	17,130	Large	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
WAI011KI	Waikuku Beach	1,150	Minor	Local Authority	$\checkmark$	×	$\checkmark$
WES004SU	Summerhill	428	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
WES004WE	West Eyreton	168	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
W00002W0	Woodend Town	2,678	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$

### **Christchurch City**

Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa	Chemical
AKA001AK	Akaroa	1,350	Minor	Local Authority	$\checkmark$	×	$\checkmark$
BIR001BI	Birdlings Flat	150	Small	Local Authority	$\checkmark$	×	$\checkmark$
BRO012BR	Brooklands / Kainga	1,600	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
CHR001CE	Central Christchurch	185,000	Large	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
CHR001PA	Parklands	16,000	Large	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
CHR001RI	Riccarton	10,000	Medium	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
CHR001RP	Rocky Point	2,500	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
CHR001WE	West Christchurch	42,000	Large	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
CHR002CI	Christchurch Int. Airport	6,000	Medium	Private Other	×	$\checkmark$	$\checkmark$
DUV001DU	Duvauchelle	250	Small	Local Authority	$\checkmark$	×	$\checkmark$
LIT001LI	Little River	240	Small	Local Authority	$\checkmark$	×	$\checkmark$
LYT001DI	Diamond Harbour	1,200	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
LYT001GO	Governors Bay	750	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
LYT001LY	Lyttelton	2,500	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
NOR012CH	Northwest Christchurch	80,000	Large	Local Authority	$\checkmark$	×	$\checkmark$
OKA010OK	Okains Bay	105	Small	Communal	×	×	$\checkmark$
ТАКОО2ТА	Takamatua	150	Small	Local Authority	$\checkmark$	×	$\checkmark$
WAI138WA	Wainui	200	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
WAT006WB	Waterloo Business Pk, Stage 1	400	Small	Private Other	×	×	$\checkmark$

# Selwyn District

Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa	Chemical
ART002AR	Arthurs Pass	350	Small	Local Authority	$\checkmark$	х	$\checkmark$
BUR001BU	Burnham Camp	2,000	Minor	Government Othe	r X	$\checkmark$	$\checkmark$
CAS003CA	Castle Hill	299	Small	Local Authority	$\checkmark$	×	$\checkmark$
CLA005CL	Claremont	170	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
DAR001DA	Darfield	3,520	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
DUN008DU	Dunsandel & Sherwood Estate	480	Small	Local Authority	$\checkmark$	×	$\checkmark$
EDE002ED	Edendale, Sandy Knolls	180	Small	Local Authority	$\checkmark$	×	$\checkmark$
JOH001JO	Johnson Rd, West Melton	160	Small	Local Authority	$\checkmark$	×	$\checkmark$
KIR001KI	Kirwee	1,207	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
LAK007LA	Lake Coleridge	148	Small	Local Authority	$\checkmark$	×	$\checkmark$
LEE001LE	Leeston	2,350	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
LIN002LI	Lincoln	5,400	Medium	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
MAL001DA	Dalethorpe	183	Small	Local Authority	$\checkmark$	×	$\checkmark$
MAL001MA	Malvern Hills, Hartleys Rd	1,409	Minor	Local Authority	×	×	$\checkmark$
PRE001PR	Prebbleton	3,906	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
RAK003RA	Rakaia Huts	313	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
ROL001RO	Rolleston	15,047	Large	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
SEL001AC	Acheron	240	Small	Local Authority	$\checkmark$	×	$\checkmark$
SEL001HO	Hororata	920	Minor	Local Authority	×	×	$\checkmark$
SHE004SH	Sheffield/Waddington	585	Minor	Local Authority	×	х	$\checkmark$
SOU001SO	Southbridge	992	Minor	Local Authority	$\checkmark$	х	$\checkmark$
SPR002SP	Springfield	520	Minor	Local Authority	×	х	$\checkmark$
SPR003SP	Springston	510	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
TAI009TA	Tai Tapu	606	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
WES010WE	West Melton	1,800	Minor	Local Authority	$\checkmark$	×	$\checkmark$

### **Ashburton District**

Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa	Chemical
ASH003AS	Ashburton	18,500	Large	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
CHE002CH	Chertsey	230	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
FAI001FA	Fairton	210	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
HAK001HH	Hakatere Upper	110	Small	Local Authority	$\checkmark$	×	$\checkmark$
HIG002HI	Highbank Society Water Supply	220	Small	Communal	×	×	$\checkmark$
HIN001HI	Hinds	340	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
LYN002LY	Lyndhurst	250	Small	Private Other	×	$\checkmark$	$\checkmark$
MAY001MA	Mayfield	160	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
MET001ME	Methven	1,700	Minor	Local Authority	$\checkmark$	×	$\checkmark$
MET002MS	Methven/Springfield	178	Small	Local Authority	$\checkmark$	×	$\checkmark$
MTS001MS	Mt Somers Township	260	Small	Local Authority	$\checkmark$	×	$\checkmark$
RAK001RA	Rakaia Township	1,100	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$

# **Timaru District**

Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa	Chemical
ARO002AO	Arowhenua	215	Small	Private Other	×	х	$\checkmark$
DOW001ST	Sutherlands/Taiko	3,500	Minor	Local Authority	$\checkmark$	×	$\checkmark$
DOW001WR	Waimate Rural	350	Small	Local Authority	×	×	$\checkmark$
DOW001WT	Waitohi/Totara Valley	700	Minor	Local Authority	$\checkmark$	×	$\checkmark$
GER001GE	Geraldine	2,121	Minor	Local Authority	$\checkmark$	×	$\checkmark$
HAD001HA	Hadlow	312	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
PAR002PA	Pareora	450	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
PEE001PF	Peel Forest	130	Small	Local Authority	$\checkmark$	×	$\checkmark$
PLE001PP	Pleasant Point	1,200	Minor	Local Authority	$\checkmark$	×	$\checkmark$
SEA001SE	Seadown	750	Minor	Local Authority	$\checkmark$	×	$\checkmark$
STA004ST	St Andrews	280	Small	Local Authority	$\checkmark$	×	$\checkmark$
TEM001OR	Orari	180	Small	Local Authority	$\checkmark$	×	$\checkmark$
TEM001TE	Temuka	3,984	Minor	Local Authority	$\checkmark$	×	$\checkmark$
TEM001WI	Winchester	260	Small	Local Authority	$\checkmark$	×	$\checkmark$
TEM002GD	Geraldine Downs	450	Small	Local Authority	$\checkmark$	×	$\checkmark$
TEM002GF	Geraldine Flat	200	Small	Local Authority	×	×	$\checkmark$
TEM002TE	Te Moana	1,000	Minor	Local Authority	$\checkmark$	×	$\checkmark$
TIM001GL	Gleniti	3,400	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
TIM001TI	Timaru	23,432	Large	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$

# **Mackenzie District**

Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa	Chemical
ALB001AL	Albury Rural	125	Small	Communal	×	×	$\checkmark$
ALL001AL	Allandale	150	Small	Local Authority	$\checkmark$	×	$\checkmark$
FAI002FA	Fairlie	850	Minor	Local Authority	×	×	$\checkmark$
FAI002KI	Kimbell	150	Small	Local Authority	$\checkmark$	×	$\checkmark$
MTC001MT	Mt Cook	350	Small	DOC	$\checkmark$	$\checkmark$	$\checkmark$
TEK005TE	Tekapo	500	Small	Local Authority	×	×	$\checkmark$
TWI001TW	Twizel	1,300	Minor	Local Authority	$\checkmark$	х	×

# Waimate District

Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa	Chemical
CAN001CM	Cannington/Motukaika	120	Small	Local Authority	×	×	$\checkmark$
HAK002HA	Hakataramea	165	Small	Communal	×	×	$\checkmark$
HOO001HW	Hook/Waituna	1,350	Minor	Local Authority	×	×	$\checkmark$
LOW002LO	Lower Waihao	600	Minor	Local Authority	$\checkmark$	×	$\checkmark$
OTA005OM	Otaio/Makikihi	430	Small	Local Authority	×	$\checkmark$	$\checkmark$
WAI031WA	Waihaorunga	141	Small	Local Authority	$\checkmark$	×	$\checkmark$
WAI032WA	Waikakahi	360	Small	Local Authority	$\checkmark$	×	$\checkmark$
WAI033WA	Waimate	3,000	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$

### Waitaki District

Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa	Chemical
AWA001AW	Awamoko	399	Small	Local Authority	$\checkmark$	х	$\checkmark$
HAM002HA	Hampden	237	Small	Local Authority	$\checkmark$	×	$\checkmark$
HAM002MO	Moeraki	264	Small	Local Authority	$\checkmark$	×	$\checkmark$
HER001HE	Herbert	670	Minor	Local Authority	×	×	$\checkmark$
KAU001KA	Kauru Hill	197	Small	Local Authority	$\checkmark$	×	$\checkmark$
KUR001KU	Kurow Township	330	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
LOW004LO	Lower Waitaki	778	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
MAH001MA	Maheno	152	Small	Communal	$\checkmark$	$\checkmark$	$\checkmark$
OAM001AR	Oamaru, Ardgowan	252	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
OAM001CE	Oamaru, Central	4,622	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
OAM001KA	Oamaru, Kakanui	520	Minor	Local Authority	×	$\checkmark$	$\checkmark$
OAM001NE	Oamaru, North End	2,234	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
OAM001RR	Oamaru, Reservoir Road	768	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
OAM001SH	Oamaru, South Hill	3,933	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
OAM001WE	Oamaru, Weston - Enfield	2,061	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
OMA0010M	Omarama Town	270	Small	Local Authority	$\checkmark$	×	$\checkmark$
OTE001OT	Otematata Hydro Village	195	Small	Local Authority	×	×	$\checkmark$
TOK003TL	Tokarahi/Livingstone	573	Minor	Local Authority	$\checkmark$	×	$\checkmark$
WAI215DU	Waihemo, Dunback Rural	229	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
WAI215GO	Waihemo, Goodwood Rural	270	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
WAI215PA	Waihemo, Palmerston Town	858	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
WIN004WI	Windsor	137	Small	Local Authority	$\checkmark$	×	$\checkmark$

# **Central Otago District**

Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa	Chemical
ALE001AL	Alexandra	5,000	Minor	Local Authority	$\checkmark$	×	$\checkmark$
ALE002BE	Bennys	104	Small	Communal	×	×	$\checkmark$
CLY001CL	Clyde Township	1,000	Minor	Local Authority	$\checkmark$	×	$\checkmark$
CRO001BA	Bannockburn	400	Small	Local Authority	$\checkmark$	×	$\checkmark$
CRO001CR	Cromwell	4,000	Minor	Local Authority	$\checkmark$	×	$\checkmark$
EAR002EA	Earnscleugh Water Scheme	120	Small	Private Other	×	×	$\checkmark$
LAS003LA	Last Chance	120	Small	Communal	$\checkmark$	$\checkmark$	$\checkmark$
MIL006MI	Millers Flat	210	Small	Communal	$\checkmark$	$\checkmark$	$\checkmark$
NAS001NA	Naseby	150	Small	Local Authority	$\checkmark$	×	$\checkmark$
OMA005OM	Omakau	350	Small	Local Authority	$\checkmark$	×	$\checkmark$
PAT003PA	Patearoa	260	Small	Local Authority	$\checkmark$	×	$\checkmark$
PIS001PI	Pisa Moorings	157	Small	Private Other	$\checkmark$	×	$\checkmark$
PIS002PI	Pisa Village	250	Small	Local Authority	$\checkmark$	×	$\checkmark$
RAN002RA	Ranfurly	750	Minor	Local Authority	$\checkmark$	×	$\checkmark$
ROX001RO	Roxburgh	700	Minor	Local Authority	$\checkmark$	×	$\checkmark$

# **Dunedin City**

Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa	Chemical
DUN001BO	Booth Road, Dunedin	37,036	Large	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
DUN001GI	Green Island	10,199	Large	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
DUN001LL	Low Levels/Peninsula, Dunedin	37,726	Large	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
DUN001MH	Maori Hill	13,785	Large	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
DUN001PC	Port Chalmers	2,469	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
DUN001WI	Wingatui, Dunedin	1,124	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
MOS001EA	East Taieri	300	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
MOS001KI	Kinmont	341	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
MOS001QH	Quarry Hill	9,535	Medium	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
OUT001OU	Outram Township	750	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
WAI015WK	Waikouaiti/Karitane/Seacliff	1,642	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
WES002WE	West Taieri Scheme	450	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$

# **Clutha District**

Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa	Chemical
BAL001BA	Balclutha	3,918	Minor	Local Authority	$\checkmark$	х	$\checkmark$
CLY005CL	Clinton Township	285	Small	Local Authority	$\checkmark$	×	$\checkmark$
CLY005RU	Clydevale-Pomahaka Rural	493	Small	Local Authority	$\checkmark$	×	$\checkmark$
GLE001GK	Glenkenich Rural	705	Minor	Local Authority	×	×	×
KAI005KA	Kaitangata Township	762	Minor	Local Authority	$\checkmark$	×	$\checkmark$
LAW001LT	Lawrence	417	Small	Local Authority	$\checkmark$	×	$\checkmark$
MIL001MT	Milton	1,929	Minor	Local Authority	$\checkmark$	×	×
MIL001OC	Otago Corrections Facility	600	Minor	Local Authority	$\checkmark$	×	$\checkmark$
MOA001MF	Moa Flat Rural	534	Minor	Local Authority	$\checkmark$	×	$\checkmark$
NOR003NB	North Bruce Rural	658	Minor	Local Authority	$\checkmark$	×	×
NOR003WT	Waihola Township	270	Small	Local Authority	×	×	$\checkmark$
OWA001OW	Owaka	303	Small	Local Authority	$\checkmark$	×	$\checkmark$
RIC009KA	Kaka Point Township	222	Small	Local Authority	$\checkmark$	×	$\checkmark$
RIC009NO	Richardson Rural North	312	Small	Local Authority	$\checkmark$	×	$\checkmark$
RIC009SO	Richardson Rural South	469	Small	Local Authority	$\checkmark$	×	$\checkmark$
STI002SB	South Bruce Rural	434	Small	Local Authority	$\checkmark$	×	$\checkmark$
STI002ST	Stirling Township	303	Small	Local Authority	$\checkmark$	×	$\checkmark$
TAP001TA	Tapanui	726	Minor	Local Authority	$\checkmark$	×	×
TUA004TW	Tuapeka West Rural	283	Small	Local Authority	$\checkmark$	×	$\checkmark$
WAI016B1	Balmoral 1 Rural	247	Small	Local Authority	$\checkmark$	×	$\checkmark$
WAI016B2	Balmoral 2 Rural	399	Small	Local Authority	$\checkmark$	×	$\checkmark$
WAI016TE	Tuapeka East Rural	276	Small	Local Authority	$\checkmark$	×	$\checkmark$

# Queenstown Lakes District

Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa	Chemical
ARR001AR	Arrowtown	3,587	Minor	Local Authority	$\checkmark$	×	$\checkmark$
ART001AP	Arthurs Point	1,248	Minor	Local Authority	$\checkmark$	×	$\checkmark$
CAM008CA	Camphill Estate	132	Small	Communal	$\checkmark$	×	$\checkmark$
GLE003GL	Glenorchy	1,232	Minor	Local Authority	$\checkmark$	×	$\checkmark$
HAW002HA	Hawea	2,444	Minor	Local Authority	$\checkmark$	×	$\checkmark$
JAC002JA	Jacks Point	600	Minor	Private Other	$\checkmark$	$\checkmark$	$\checkmark$
LAK003ES	Lake Hayes Est & Shotover Ctry	799	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
LAK003LH	Lake Hayes	1,697	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
LUG001LU	Luggate	855	Minor	Local Authority	$\checkmark$	×	$\checkmark$
QUE001KE	Kelvin Heights	4,400	Minor	Local Authority	$\checkmark$	×	$\checkmark$
QUE001QU	Queenstown	15,600	Large	Local Authority	$\checkmark$	×	$\checkmark$
WAN002AL	Albert Town	506	Minor	Local Authority	$\checkmark$	×	$\checkmark$
WAN002WA	Wanaka	9,608	Medium	Local Authority	$\checkmark$	×	$\checkmark$
WAN007WA	Wanaka Airport	150	Small	Local Authority	$\checkmark$	×	$\checkmark$

# Gore District

Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa	Chemical
GOR001GO	Gore	7,480	Medium	Local Authority	×	×	$\checkmark$
MAT002MA	Mataura	1,790	Minor	Local Authority	×	×	$\checkmark$
OTA004OT	Otama	300	Small	Local Authority	$\checkmark$	×	$\checkmark$

# Invercargill City

Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa	Chemical
INV001BL	Bluff	2,956	Minor	Local Authority	$\checkmark$	×	$\checkmark$
INV001IN	Invercargill City	47,500	Large	Local Authority	$\checkmark$	×	$\checkmark$

# Southland District

Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa	Chemical
EDE001ED	Edendale	558	Minor	Local Authority	$\checkmark$	х	$\checkmark$
EDE001WY	Wyndham	594	Minor	Local Authority	$\checkmark$	×	$\checkmark$
LUM001BA	Lumsden/Balfour Rural	608	Minor	Local Authority	$\checkmark$	×	$\checkmark$
LUM001LU	Lumsden	453	Small	Local Authority	$\checkmark$	×	$\checkmark$
MAN006MA	Manapouri	228	Small	Local Authority	$\checkmark$	×	$\checkmark$
MIL007MI	Milford Sound	350	Small	Private Other	×	×	$\checkmark$
MOS002MO	Mossburn	201	Small	Local Authority	$\checkmark$	×	$\checkmark$
OHA009NI	Nightcaps	306	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
OHA009OH	Ohai	303	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
OTA001OT	Otautau	798	Minor	Local Authority	$\checkmark$	×	$\checkmark$
RIV001RI	Riverton	1,506	Minor	Local Authority	$\checkmark$	×	$\checkmark$
TEA002TE	Te Anau	2,628	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$
TUA001TU	Tuatapere	561	Minor	Local Authority	$\checkmark$	×	$\checkmark$
WIN001WI	Winton	2,436	Minor	Local Authority	$\checkmark$	×	$\checkmark$

# KEY

Size	Population	Bacteria	Rationale
Small	101 to 500	Achieved	Achieved against the Standards
Minor	501 to 5,000	Achieved ()	Achieved (with leniency on these factors)
Medium	5,001 to 10,000	Act	Remedial action inadequate following transgression
Large	10,001 or more	Trans	Escherichia coli transgressions excessive
		Monit:	Inadequate sampling (always followed by some of: Sam, DoW, Gap)
Protozoa	Meaning	Sam	Inadequate number of samples
$\checkmark$	All contributing plants achieved	DoW	Sampled on too few days of the week
×	Did not achieve	Gap	Sampling exceeded the maximum number of days between samples
		Not Monit	Not monitored, or supplier did not provide monitoring data
		Review	Monitoring indicated achievement but failed after DWA review

### Whangarei District

. 0						
Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa
BRE001BR	Bream Bay	5,900	Medium	Local Authority	Trans	×
HUK001HU	Hukerenui School	150	Small	Education	Achieved	$\checkmark$
Pu	blic					
MAU002MA	Maungakaramea	200	Small	Local Authority	Achieved	$\checkmark$
WHA007HE	Whangarei Heads	7,200	Medium	Local Authority	Achieved	$\checkmark$
WHA007HI	Hikurangi	1,330	Minor	Local Authority	Achieved	$\checkmark$
WHA007WH	Whangarei	48,000	Large	Local Authority	Achieved	$\checkmark$

### **Far North District**

Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa
CAR011CA	Carrington Estate	120	Small	Private Other	Achieved	$\checkmark$
DOU004EC	East Coast Bays	2,000	Minor	Private Other	Achieved	×
KAI006KA	Kaikohe	4,000	Minor	Local Authority	Achieved	$\checkmark$
KAI006NG	Ngawha Springs	200	Small	Local Authority	Achieved	$\checkmark$
KAI008KA	Kaitaia	5,400	Medium	Local Authority	Achieved (Monit: Gap)	$\checkmark$
KAW002KA	Kawakawa	1,500	Minor	Local Authority	Achieved	$\checkmark$
KAW002MO	Moerewa / Otiria	2,000	Minor	Local Authority	Achieved	$\checkmark$
KER001KE	Kerikeri	6,200	Medium	Local Authority	Achieved	$\checkmark$
KER001WA	Waipapa	500	Small	Local Authority	Achieved	$\checkmark$
NGA046NG	Ngati Rehia Wai Trust	120	Small	Marae	Not monit	×
OKA003OK	Okaihau	800	Minor	Local Authority	Achieved	$\checkmark$
OMA002OM	Omapere	900	Minor	Local Authority	Achieved	$\checkmark$
PAI001HA	Haruru Falls	1,000	Minor	Local Authority	Achieved	$\checkmark$
PAI001OP	Opua	1,000	Minor	Local Authority	Achieved	$\checkmark$
PAI001PA	Paihia	2,000	Minor	Local Authority	Achieved	$\checkmark$
РАКООЗРА	Pakanae	160	Small	Communal	Act Trans	$\checkmark$
RAW001RA	Rawene	600	Minor	Local Authority	Achieved	$\checkmark$
RUS004RU	Russell Township-Commercial	200	Small	Private Other	Achieved	$\checkmark$
WAI045WA	Waipapa, Lock	150	Small	Private Other	Achieved	$\checkmark$
WAI226WA	Waima Hapu Community	200	Small	Private Other	Act Trans Monit: Sam,	
					DoW, Gap	×
WHI012WH	Whirinaki Water Board	400	Small	Private Other	Act Trans Monit: Sam,	
					DoW, Gap	×

Kaipara D	vistrict					
Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa
DAR002BB	Baylys Beach	228	Small	Local Authority	Achieved	$\checkmark$
DAR002DT	Dargaville Town	4,455	Minor	Local Authority	Achieved	$\checkmark$
KAI007KD	Kaihu-Dargaville	324	Small	Local Authority	Not monit	×
MAN003MA	Mangawhai Heads	200	Small	Local Authority	Achieved	×
MAU001MA	Maungaturoto	900	Minor	Local Authority	Achieved	×
RUA001RU	Ruawai	426	Small	Local Authority	Achieved	$\checkmark$

# Greater Auckland (Watercare)

Zone Code		Population	Size	Туре	Bacteria	Protozo
AUC003AA	Auckland Airport	4,557	Minor	Local Authority	Achieved	$\checkmark$
AUC003AU	Auckland	261,638	Large	Local Authority	Achieved	$\checkmark$
AUC003AZ	Anzac	3,445	Minor	Local Authority	Achieved	$\checkmark$
AUC003BU	Buckland	609	Minor	Local Authority	Achieved	$\checkmark$
AUC003CB	Central Business Dist.Auckland	14,590	Large	Local Authority	Achieved	$\checkmark$
AUC003CL	Clarks/Waiau Beach	1,332	Minor	Local Authority	Achieved	$\checkmark$
AUC003EB	East Tamaki/Botany	36,914	Large	Local Authority	Achieved	$\checkmark$
UC003GL	Glenbrook Beach	393	Small	Local Authority	Achieved	$\checkmark$
AUC003GN	Glen Eden/New Lynn	56,785	Large	Local Authority	Achieved	$\checkmark$
AUC003HE	Henderson	125,916	Large	Local Authority	Achieved	$\checkmark$
AUC003HH	High Head	4,000	Minor	Local Authority	Achieved	$\checkmark$
UC003HI	Hillsborough	62,355	Large	Local Authority	Achieved	$\checkmark$
UC003HO	Howick/Pakuranga	94,803	Large	Local Authority	Achieved	$\checkmark$
UC003HT	Hilltop	947	Minor	Local Authority	Achieved	$\checkmark$
UC003HW	HBC/Waiwera	28,898	Large	Local Authority	Achieved	$\checkmark$
AUC003KI	Kitchener	14,866	Large	Local Authority	Achieved	$\checkmark$
UC003LA	Laingholm	2,457	Minor	Local Authority	Achieved	$\checkmark$
AUC003MA	Maungawhau	45,267	Large	Local Authority	Achieved	$\checkmark$
UC003MG	Mangere	71,629	Large	Local Authority	Achieved	$\checkmark$
UC003MO	Montana	4,615	Minor	Local Authority	Achieved	$\checkmark$
UC003MT	Mt Hobson	30,526	Large	Local Authority	Achieved	$\checkmark$
UC003MW	Manurewa	72,305	Large	Local Authority	Achieved	$\checkmark$
UC003ON	Onehunga	27,101	Large	Local Authority	Achieved	$\checkmark$
UC003OP	Otara/Papatoetoe/Manukau Cent.	58,441	Large	Local Authority	Achieved	$\checkmark$
UC003OR	Oratia	1,596	Minor	Local Authority	Achieved	$\checkmark$
UC003OT	Otahuhu	11,083	Large	Local Authority	Achieved	$\checkmark$
AUC003PT	Patumahoe	606	Minor	Local Authority	Achieved	$\checkmark$
AUC003SO	North Shore Sth.	151,400	Large	Local Authority	Achieved	$\checkmark$
UC003SW	Swanson	4,540	Minor	Local Authority	Achieved	$\checkmark$
UC003TH	Te Henga	1,085	Minor	Local Authority	Achieved	$\checkmark$
UC003WE	North Shore West	71,300	Large	Local Authority	Achieved	$\checkmark$
UC003WH	Whenuapai	5,460	Medium	Local Authority	Achieved	$\checkmark$
BOM003BO	Bombay	609	Minor	Local Authority	Achieved	$\checkmark$
BUR004BU	Burnside Road	352	Small	Local Authority	Achieved	$\checkmark$
IELO05HP	Helensville/Parakai	4,579	Minor	Local Authority	Achieved	$\checkmark$
1UI006HV	Huia Village	597	Minor	Local Authority	Achieved	$\checkmark$
/UR011MU	Muriwai	563	Minor	Local Authority	Achieved	$\checkmark$
AP001PC	Papakura City	32,421	Large	Local Authority	Achieved	$\checkmark$
AP001RH	Red Hill	2,475	Minor	Local Authority	Achieved	$\checkmark$
AP001TA	Takanini	, 13,617	Large	, Local Authority	Achieved	$\checkmark$
SNE002SN	Snells/Algies	4,664	Minor	Local Authority	Achieved	$\checkmark$
VAI214WA	Waiuku	8,697	Medium	Local Authority	Achieved	$\checkmark$
VAR006WA	Warkworth	4,111	Minor	Local Authority	Achieved	$\checkmark$
VEL004WE	Wellsford/Te Hana	2,114	Minor	Local Authority	Achieved	$\checkmark$

Non-achieve	Act: Remedial action	Trans: Transgressions	Monit: Monitoring
Mini Key:	Sam: Sample count	DoW: Days of week	Gap: Max days between samples
	Not Monit: Not monitored/no data	Review: Non-comply after review.	

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### **Greater Auckland**

Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa
BOM002BO	Bombay Motorway Services	200	Small	Private Other	Achieved	$\checkmark$
BRO015BP	Broadway Park, Newmarket	1,000	Minor	Private Other	Monit: Gap	$\checkmark$
HAR005HA	Haranui Whanau	200	Small	Marae	Trans	$\checkmark$
KEN005KP	Kensington Park	450	Small	Private Other	Achieved	$\checkmark$
KIN002KH	Kingseat Community	400	Small	Private Other	Achieved	$\checkmark$
MAT034MA	Matiatia Wharf	800	Minor	Local Authority	Achieved	×
PIN003PI	Pine Harbour	150	Small	Private Other	Achieved	$\checkmark$
WAI197GL	Waiuku, Glenbrook Beach Road	200	Small	Private Other	Achieved	$\checkmark$

# **Thames Coromandel District**

Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa
COR001CO	Coromandel	1,657	Minor	Local Authority	Review	×
HAH001HA	Hahei, Harsant Subdivision	457	Small	Local Authority	Achieved	×
НАНООЗРА	Hahei, Pa Road	200	Small	Private Other	Monit: Sam, DoW, Gap	×
MAT009MA	Matatoki	150	Small	Local Authority	Not monit	×
MAT010MA	Matarangi	279	Small	Local Authority	Achieved	×
ONE002ON	Onemana	170	Small	Local Authority	Trans	×
PAU001PA	Pauanui	747	Minor	Local Authority	Achieved	×
PUR003PU	Puriri	150	Small	Local Authority	Not monit	×
TAI002TA	Tairua	1,335	Minor	Local Authority	Achieved	×
TEP007AP	Te Puru - Aputa Ave	200	Small	Local Authority	Monit: Sam, DoW, Gap	×
THA001TK	Thames - Kopu	7,657	Medium	Local Authority	Achieved	×
WHA003WH	Whangamata	3,665	Minor	Local Authority	Trans Monit: Gap	×
WHI001WH	Whitianga	4,115	Minor	Local Authority	Achieved	×

### Hauraki District

Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa
KAI013KA	Kaimanawa	204	Small	Local Authority	Achieved	×
KAR001KA	Karangahake	147	Small	Local Authority	Achieved	×
KER005KE	Kerepehi	1,371	Minor	Local Authority	Achieved	×
KER005TU	Turua	1,181	Minor	Local Authority	Achieved	×
MAC003MA	Mackaytown	174	Small	Local Authority	Trans	×
PAE001OH	Ohinemuri	702	Minor	Local Authority	Achieved	×
PAE001PA	Paeroa	3,864	Minor	Local Authority	Achieved	×
WAI003WA	Waihi	4,623	Minor	Local Authority	Achieved	×
WAI043WA	Waikino	304	Small	Local Authority	Achieved	-
WAI201WA	Waitakaruru	2,076	Minor	Local Authority	Achieved	×

# Waikato District

Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa
HUN002HU	Huntly	7,210	Medium	Local Authority	Achieved	$\checkmark$
HUN002RO	Rotongaro	130	Small	Local Authority	Achieved	$\checkmark$
NGA002HO	Horotiu	459	Small	Local Authority	Achieved	$\checkmark$
NGA002HP	Hopuhopu	200	Small	Local Authority	Achieved	$\checkmark$
NGA002NG	Ngaruawahia	5,691	Medium	Local Authority	Achieved	$\checkmark$
NGA002TA	Taupiri	529	Minor	Local Authority	Achieved	$\checkmark$
NOR013NO	North Western Dist, Waikato DC	115	Small	Local Authority	Achieved	$\checkmark$
POK001PO	Pokeno	519	Minor	Local Authority	Achieved	$\checkmark$
RAG001RA	Raglan	3,187	Minor	Local Authority	Achieved	$\checkmark$
SOU009SO	Southern Districts, Waikato DC	5,466	Medium	Local Authority	Achieved	$\checkmark$
TEK001TR	Te Kauwhata / Rangiriri	1,410	Minor	Local Authority	Achieved	$\checkmark$
TEK001WH	Whangamarino Rural / Meremere	e 739	Minor	Local Authority	Achieved	$\checkmark$
TUA002TN	Tuakau North	823	Minor	Local Authority	Achieved	$\checkmark$
TUA002TS	Tuakau South	3,119	Minor	Local Authority	Achieved	$\checkmark$

Zone Code	Piako District	Population	Size	Туре	Bacteria	Protozoa
	Distribution Zone	Population		Type	Bacteria	Protozoa X
MAT004MA	Matamata Township	6,309 634	Medium	Local Authority	Trans Achieved	×
MAT004WA	Waharoa Marringuilla Townshin		Minor Medium	Local Authority		×
MOR001MO	Morrinsville Township	6,603		Local Authority	Achieved	×
TAH001TA	Tahuna Township	120	Small	Local Authority	Trans Monit: DoW, Can	~
TAT005FA	Tatua Dairy Factory Endpoint	200	Small	Private Other	Monit: DoW, Gap	v √
TEA003TE	Te Aroha	3,768	Minor	Local Authority	Achieved Achieved	×
WAI049WA	Waitoa Village & Factory	500	Small	Private Other	Achieved	^
Hamilton Ci						
Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa
HAM001HA	Hamilton City	130,813	Large	Local Authority	Achieved	$\checkmark$
HAM001RU	Ruakura/Ryburn Road	151	Small	Local Authority	Achieved	$\checkmark$
HAM001TE	Temple View, Hamilton	1,413	Minor	Local Authority	Achieved	$\checkmark$
Waipa Distr	ict					
Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa
CAM001CA	Cambridge	13,368	Large	Local Authority	Achieved	×
CAM001KA	Karapiro Village	132	Small	, Local Authority	Trans	$\checkmark$
HAM006IT	East Side Terminal	400	Small	Private Other	Achieved	$\checkmark$
HAM006WE	West Side Aviation Area	350	Small	Private Other	Achieved	×
кіноо1кі	Kihikihi	2,000	Minor	Local Authority	Achieved (Monit: Gap)	$\checkmark$
PUK001OH	Ohaupo	468	Small	Local Authority	Achieved	$\checkmark$
PUK001PU	Pukerimu Rural	3,278	Minor	Local Authority	Achieved	$\checkmark$
TEA001PI	Pirongia	1,500	Minor	, Local Authority	Achieved	$\checkmark$
TEA001TE	Te Awamutu Township	9,165	Medium	, Local Authority	Achieved	$\checkmark$
ТОКОО6ТН	Tokanui	250	Small	, Communal	Achieved	$\checkmark$
Otorohanga	District					
Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa
ARO001AO	Aotearoa Road, Arohena	120	Small	Local Authority	Achieved	×
ARO001MA	Mangare Road, Arohena	120	Small	Local Authority	Achieved	×
KAW001KA	Kawhia Township	390	Small	Local Authority	Achieved	×
OTO0010T	Otorohanga	2,875	Minor	Local Authority	Achieved	×
OTO001WA	Waipa	175	Small	Local Authority	Achieved	×
TIH001TI	Tihiroa	400	Small	Local Authority	Achieved	×
		400	Sinan	Local / lationity	Achieved	
South Waika			<i>c</i> :	-	<b>D</b>	
Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa
ARA003AR	Arapuni	300	Small	Local Authority	Achieved	×
PUT001PU	Putaruru	4,116	Minor	Local Authority	Achieved	×
TIR001TI	Tirau	700	Minor	Local Authority	Achieved	$\checkmark$
TOK001TO	Tokoroa	13,300	Large	Local Authority	Achieved	×
Waitomo Di	istrict					
Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa
BEN002BE	Benneydale	280	Small	Local Authority	Achieved	×
MOK002MO	Mokau, Waitomo	200	Small	Local Authority	Achieved	×
PIO001PI	Piopio	500	Small	Local Authority	Achieved	×
TAH002TA	Taharoa Village	300	Small	Private Other	Trans	×
ТЕКООЗТЕ	Te Kuiti	4,612	Minor	Local Authority	Achieved	×
WAI012WC	Waitomo Caves	500	Small	, Private Other	Act Trans Monit: DoW	×

Non-achieve	Act: Remedial action	Trans: Transgressions	Monit: Monitoring
Mini Key:	Sam: Sample count	DoW: Days of week	Gap: Max days between samples
	Not Monit: Not monitored/no data	Review: Non-comply after review.	

### **Ruapehu District**

Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa
NAT001NA	National Park	240	Small	Local Authority	Achieved	×
OHA001OH	Ohakune Township	1,500	Minor	Local Authority	Achieved	×
OHU0010H	Ohura	160	Small	Local Authority	Achieved	×
OWH001OW	Owhango	200	Small	Local Authority	Achieved	×
PIR001PI	Piriaka	120	Small	Communal	Act Trans Monit: Sam,	
					DoW, Gap	×
RAE001RA	Raetihi Township	749	Minor	Local Authority	Trans	×
TAU003TA	Taumarunui	4,870	Minor	Local Authority	Achieved	×
WAI002WA	Waiouru Township	2,800	Minor	Govt Other	Act Trans	×
WHA015WV	Whakapapa Village	200	Small	DOC	Achieved	×

# Western Bay of Plenty District

Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa
ATH003AT	Athenree	5,125	Medium	Local Authority	Achieved	$\checkmark$
КАТООЗКА	Katikati	5,700	Medium	Local Authority	Achieved	$\checkmark$
OM00030M	Omokoroa Minden	6,450	Medium	Local Authority	Achieved	$\checkmark$
PON003PO	Pongakawa	4,600	Minor	Local Authority	Achieved	$\checkmark$
TEP002TP	Te Puke	8,260	Medium	Local Authority	Achieved	$\checkmark$
TEP029TB	Te Puke Bush	200	Small	Local Authority	Achieved	$\checkmark$

# Tauranga City

Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa
TAU004MP	Mt Maunganui - Papamoa	52,000	Large	Local Authority	Achieved	$\checkmark$
TAU004TB	Tauranga - Bethlehem	51,783	Large	Local Authority	Achieved	$\checkmark$

### Whakatane District

Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa
MAT005MA	Matata	690	Minor	Local Authority	Achieved	×
MUR002MU	Murupara	2,060	Minor	Local Authority	Achieved	×
RAN007ED	Edgecumbe	1,430	Minor	Local Authority	Achieved (Monit: DoW)	×
RAN007PR	Rangitaiki Plains Rural	2,486	Minor	Local Authority	Achieved (Monit: Gap)	×
RAN007TE	Te Teko	346	Small	Local Authority	Achieved	×
RUA003RU	Ruatoki	560	Minor	Local Authority	Achieved	×
RUA008RU	Ruatahuna Village	300	Small	Private Other	Not monit	×
TAN001TA	Taneatua	790	Minor	Local Authority	Achieved	×
TEM004TE	Te Mahoe	120	Small	Local Authority	Achieved	×
WAI017WA	Waimana	160	Small	Local Authority	Achieved	×
WHA005OH	Ohope	6,000	Medium	Local Authority	Achieved	×
WHA005WH	Whakatane	15,020	Large	Local Authority	Achieved	×

### Kawerau District

Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa
KAW003KA	Kawerau	6,921	Medium	Local Authority	Achieved	×
KAW003UV	Upper Valley Road	800	Minor	Local Authority	Act Trans	×

# **Opotiki District**

Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa
KAI054KA	Kaiaio Hapu	160	Small	Marae	Not monit	×
KUT003KU	Kutarere	300	Small	Communal	Not monit	×
OMA016OM	Omaio	180	Small	Private Other	Not monit	×
OPO001HI	Hikutaia, Opotiki	654	Minor	Local Authority	Achieved	$\checkmark$
OPO001OP	Opotiki Town	3,876	Minor	Local Authority	Achieved	$\checkmark$
PAE005PA	Paerata East	112	Small	Private Other	Not monit	×
ТЕКОО4ТЕ	Te Kaha	150	Small	Local Authority	Achieved	×
WHA031WH	Whanarua Bay	200	Small	Communal	Not monit	×

### **Rotorua District**

Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa
BRU005BR	Brunswick 4	110	Small	Private Other	Monit: Sam, DoW, Gap	$\checkmark$
HAM003HA	Hamurana	900	Minor	Local Authority	Achieved	$\checkmark$
HAM003KA	Kaharoa	800	Minor	Local Authority	Achieved	$\checkmark$
KAI009KA	Kaingaroa	400	Small	Communal	Achieved	×
MAM001MA	Mamaku Township	868	Minor	Local Authority	Achieved	×
NGO001NG	Ngongotaha Township	4,826	Minor	Local Authority	Achieved	$\checkmark$
REP001RE	Reporoa	1,060	Minor	Local Authority	Achieved	$\checkmark$
ROT0010K	Okareka	730	Minor	Local Authority	Achieved	$\checkmark$
ROT001RE	Rotorua Eastern Suburbs	9,600	Medium	Local Authority	Achieved	$\checkmark$
ROT002RO	Rotoma	340	Small	Local Authority	Achieved	$\checkmark$
ROT003RO	Rotorua City	42,500	Large	Local Authority	Achieved	$\checkmark$
ROT004RO	Rotoiti	880	Minor	Local Authority	Achieved	$\checkmark$

# **Taupo District**

Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa
ACA001AC	Acacia Bay	1,512	Minor	Local Authority	Trans	×
ACA001MA	Mapara Road Rural	869	Minor	Local Authority	Achieved	×
ATI001AV	Atiamuri Village	134	Small	Local Authority	Achieved	$\checkmark$
BON001BO	Bonshaw Park	152	Small	Local Authority	Achieved	×
CEN001RR	Rakanui Road	200	Small	Local Authority	Achieved	×
HAT001HV	Hatepe Village	174	Small	Local Authority	Achieved	×
KIN001KI	Kinloch Town	1,604	Minor	Local Authority	Achieved	×
KIN010KI	Kinloch Park	140	Small	Private Other	Monit: Sam, DoW, Gap	×
MAN002MA	Mangakino	1,312	Minor	Local Authority	Achieved	$\checkmark$
MOT002MO	Motuoapa	739	Minor	Local Authority	Achieved	×
OM00010M	Omori / Kuratau / Pukawa	1,783	Minor	Local Authority	Achieved	×
RIV003RI	River Rd Reporoa	197	Small	Local Authority	Achieved	×
TAU001TC	Taupo Central & West	17,105	Large	Local Authority	Achieved	$\checkmark$
TAU001TS	Taupo - Taupo South	6,396	Medium	Local Authority	Achieved	$\checkmark$
TIR002SC	Serenity Cove	137	Small	Local Authority	Monit: Sam, DoW, Gap	×
TIR002TI	Tirohanga	190	Small	Local Authority	Achieved	×
TUR001TO	Tokaanu	360	Small	Local Authority	Achieved	$\checkmark$
TUR001TU	Turangi	3,578	Minor	Local Authority	Achieved	$\checkmark$
WHA010WH	Whareroa	313	Small	Local Authority	Achieved	×
WHA011WH	Whakamaru	116	Small	Local Authority	Achieved	×

# **Gisborne District**

Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa
ENI001MA	Mangahauini	130	Small	Communal	Act Trans Monit: Sam, DoW, Gap	×
GIS001GI	Gisborne City	29,600	Large	Local Authority	Achieved	$\checkmark$
GIS001RU	Gisborne Rural	1,000	Minor	Local Authority	Achieved	$\checkmark$
TEK002TE	Te Karaka	491	Small	Local Authority	Achieved	$\checkmark$
TEP001TE	Te Puia Springs Hosp & Village	300	Small	Health	Achieved (Monit: Gap)	×
WHA004WH	Whatatutu	200	Small	Local Authority	Achieved	×

# **New Plymouth District**

•						
Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa
ING001IN	Inglewood	3,983	Minor	Local Authority	Achieved	$\checkmark$
NEW002BE	Bell Block	4,820	Minor	Local Authority	Achieved	$\checkmark$
NEW002LE	Lepperton	200	Small	Local Authority	Achieved	$\checkmark$
NEW002NE	New Plymouth	45,420	Large	Local Authority	Achieved	$\checkmark$
NEW002UR	Urenui/Tikorangi	1,030	Minor	Local Authority	Achieved	$\checkmark$

Non-achieve	Act: Remedial action	Trans: Transgressions	Monit: Monitoring
Mini Key:	Sam: Sample count	DoW: Days of week	Gap: Max days between samples
	Not Monit: Not monitored/no data	Review: Non-comply after review.	

	11		Ũ			
Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa
NEW002WA	Waitara	7,602	Medium	Local Authority	Achieved	$\checkmark$
OAK001OA	Oakura	1,625	Minor	Local Authority	Achieved	$\checkmark$
OKA002OK	Okato	530	Minor	Local Authority	Achieved	✓
Stratford Di	strict					
Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa
MID001MI	Midhirst	200	Small	Local Authority	Achieved	$\checkmark$
STR001ST	Stratford	6,773	Medium	Local Authority	Achieved	×
South Tarar	naki District					
Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa
COL005PI	Pihama	350	Small	Private Other	Achieved	×
ELT001EL	Eltham	1,980	Minor	Local Authority	Achieved	$\checkmark$
HAW003HA	Hawera	8,550	Medium	Local Authority	Achieved	$\checkmark$
HAW003NO	Normanby	850	Minor	Local Authority	Achieved	$\checkmark$
HAW003OH	Ohawe Beach	210	Small	Local Authority	Achieved	$\checkmark$
INA001IN	Inaha	495	Small	Local Authority	Achieved	×
OPU001OP	Opunake	1,370	Minor	Local Authority	Achieved	$\checkmark$
PAT001PA	Patea	1,150	Minor	Local Authority	Achieved	$\checkmark$
RAH001RA	Rahotu	115	Small	Local Authority	Achieved	$\checkmark$
WAI018KA	Kaponga	370	Small	Local Authority	Achieved	$\checkmark$
WAI018MA	Manaia	925	Minor	Local Authority	Achieved	$\checkmark$
WAI018RU	Waimate West Rural	1,585	Minor	Local Authority	Achieved	$\checkmark$
WAV001WA	Waverley	950	Minor	Local Authority	Trans	$\checkmark$
Wairoa Dist	rict					
Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa
RAU006RA	Raupunga	250	Small	Communal	Not monit	×
TUA005TU	Tuai	300	Small	Local Authority	Achieved	$\checkmark$
						,

WAI006FR

WAI006WA

Frasertown

Wairoa

Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa
BAY001BA	Bayview Township	. 894	Minor	Local Authority	Achieved	$\checkmark$
NAP001NA	Napier City	25,800	Large	Local Authority	Achieved	$\checkmark$
NAP001TA	Taradale	24,110	Large	Local Authority	Achieved	$\checkmark$

Small

Minor

Local Authority Achieved

Local Authority Achieved

350

4,300

√ √

# **Hastings District**

Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa
CLI001AL	Allen Lane/Ferry Rd, Clive	198	Small	Local Authority	Achieved	$\checkmark$
CLI001VA	Valerie St/Tuckers Lane, Clive	362	Small	Local Authority	Achieved	$\checkmark$
HAS001BP	Bridge Pa	300	Small	Local Authority	Monit: Gap	×
HAS001EA	Hastings East	16,668	Large	Local Authority	Monit: DoW, Gap	×
HAS001FL	Flaxmere	12,171	Large	Local Authority	Monit: DoW, Gap	×
HAS001HN	Havelock North	15,370	Large	Local Authority	Achieved	×
HAS001PA	Paki Paki	200	Small	Local Authority	Achieved	×
HAS001WE	Hastings West & Central	20,055	Large	Local Authority	Monit: DoW, Gap	×
HAU002HA	Haumoana / Te Awanga	1,900	Minor	Local Authority	Achieved	×
OMA0080M	Omahu	126	Small	Local Authority	Achieved	×
PAR025PA	Parkhill Farm	288	Small	Local Authority	Trans	×
WAI007WA	Waimarama	260	Small	Local Authority	Trans	×
WHA029WH	Whakatu	337	Small	Local Authority	Achieved	$\checkmark$
WHI007WH	Whirinaki, Hawkes Bay	750	Minor	Local Authority	Achieved	×

Zone Code	kes Bay District Distribution Zone	Population	Size	Туре	Bacteria	Protozoa
FAR001FA	Farm Road	120	Small	Communal	Not monit	×
POR003PT	Porangahau Township	130	Small	Local Authority	Achieved	×
TAK001TA	Takapau Township	570	Minor	, Local Authority	Monit: DoW, Gap	$\checkmark$
VAI004HI	Waipukurau High Pressure Zone	3,000	Minor	Local Authority	Achieved (Monit: Gap)	×
WAI004LO	Waipukurau Low Pressure Zone	666	Minor	Local Authority	Achieved (Monit: Gap)	×
WAI005OT	Otane Township	546	Minor	Local Authority	Achieved (Monit: Gap)	×
WAI005WA	Waipawa Township	1,809	Minor	Local Authority	Achieved (Monit: Gap)	×
Chatham Isla	ands					
Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa
WAI158WA	Waitangi, Chatham Is.	125	Small	Local Authority	Achieved	$\checkmark$
Wanganui D						
Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa
BRU001BR	Brunswick-Westmere	450	Small	Local Authority	Achieved	$\checkmark$
OR001FO	Fordell Township	350	Small	Local Authority	Achieved	$\checkmark$
MAX001MA	Maxwell	200	Small	Local Authority	Achieved	$\checkmark$
	Mowhanau Beach	300	Small	Local Authority	Achieved	$\checkmark$
WAN001AR	Aramoho	5,000	Minor	Local Authority	Achieved	$\checkmark$
WAN001EA	Wanganui East	5,000	Minor	Local Authority	Achieved	$\checkmark$
WAN001WA	Wanganui City	29,000	Large	Local Authority	Achieved (Monit: DoW)	$\checkmark$
Rangitikei Di		Den 1 ::	Ci-	Tura	Destavia	<b>.</b> .
Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa
BUL001BU	Bulls Township	1,800	Minor	Local Authority	Achieved	×
HUN001HU	Hunterville Township	400	Small	Local Authority	Achieved	×
MAN001MA	Mangaweka Township	180	Small	Local Authority	Achieved	×
MAR001MA	Marton Township	3,750	Minor	Local Authority	Achieved	×
RAT001RA	Ratana Township	450	Small	Local Authority	Achieved	×
TAI001TA	Taihape Township	2,200	Minor	Local Authority	Achieved	×
Manawatu D		Demulation	Cine	Turne	Destaria	Ductore
Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa
FEI001FE	Feilding	13,000	Large	Local Authority	FAC-Trans	×
	Halcombe-Stanway	430	Small	Local Authority	Achieved	×
	Himatangi Beach Kimbolton	438	Small	Local Authority	Achieved	× ×
KIW003KI		150	Small	Communal	Monit: Sam, DoW, Gap	×
OHA002OH RON002RO	Ohakea Bongotoa	800 300	Minor Small	Govt Other	Achieved Achieved	×
SAN001SA	Rongotea	492	Small	Local Authority Local Authority	Achieved	×
WAI022WA	Sanson Waituna West	200	Small	Local Authority	Achieved	×
Palmerston	North City					
Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa
ASH001AS	Ashhurst	2,800	Minor	Local Authority	Achieved	$\checkmark$
BUN001BU	Bunnythorpe	450	Small	Local Authority	Achieved	$\checkmark$
LIN001LI	Linton	4,500	Minor	Govt Other	Achieved	×
ON001LO	Longburn	240	Small	Local Authority	Achieved	$\checkmark$
ON002SC	Longburn Adventist College	300	Small	Educ. Public	Monit: Sam, Gap	×
ON006BR	Longburn, Brandlines	150	Small	Private Other	Not monit	×
MAS001MA	Massey University	9,000	Medium	Private Other	Achieved	$\checkmark$
PAL001AO	Aokautere	2,739	Minor	Local Authority	Achieved	$\checkmark$
PAL001FW	Fitzherbert West	450	Small	Local Authority	Achieved	$\checkmark$
Non-achieve	Act: Remedial action	Tron	s: Transgress	sions	Monit: Monitoring	
non-achieve	Sam: Sample count		: Days of we		Gap: Max days between	complex
Mini Key:						

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Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa
PAL001KG	Kelvin Grove	5,784	Medium	Local Authority	Achieved	$\checkmark$
PAL001PC	Palmerston North City	58,680	Large	Local Authority	Achieved	$\checkmark$
Fararua Dist	rict					
Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa
DAN001DA	Dannevirke	6,000	Medium	Local Authority	Act	×
KE001EK	Eketahuna	456	Small	Local Authority	Achieved	×
OR002NO	Norsewood	200	Small	Local Authority	Achieved	×
PAH001PA	Pahiatua	2,700	Minor	Local Authority	Achieved	×
PLE002PL	Pleckville	200	Small	Communal	Not monit	×
PON001PO	Pongaroa	200	Small	Communal	Achieved	×
WOO001WO	Woodville	1,500	Minor	Local Authority	Monit: Gap	×
lorowhenu	a District					
one Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa
OX002FO	Foxton	2,700	Minor	Local Authority	Achieved	$\checkmark$
OX003FO	Foxton Beach	1,900	Minor	, Local Authority	Achieved	$\checkmark$
EV001LE	Levin	20,000	Large	, Local Authority	Achieved	×
SHA001SH	Shannon	1,436	Minor	, Local Authority	Achieved	×
ОКОО2ТО	Tokomaru	550	Minor	Local Authority	Achieved	×
(apiti Coast	District					
one Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa
IAU003HA	Hautere	700	Minor	Local Authority	Achieved	×
DTA003OT	Otaki	4,700	Minor	Local Authority	Achieved	×
DTA003WA	Waitohu	1,000	Minor	Local Authority	Achieved	×
AE002PA	Paekakariki	1,665	Minor	Local Authority	Achieved	×
VAI010PA	Paraparaumu/Raumati	25,200	Large	Local Authority	Achieved	$\checkmark$
VAI010WA	Waikanae	10,600	Large	Local Authority	Achieved	$\checkmark$
Upper Hutt	Citv					
Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa
JPP001PI	Pinehaven	3,090	Minor	Local Authority	Achieved	✓
JPP001UP	Upper Hutt Central	31,560	Large	Local Authority	Achieved	$\checkmark$
Гhe Hutt Cit	N					
Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa
OW001EA	Eastbourne	4,704	Minor	Local Authority	Achieved	√
OW001LA	Haywards	372	Small	Local Authority	Achieved	√
.0W0011A	Lower Hutt	56,103	Large	Local Authority	Achieved	√
.OW00120	Petone	8,034	Medium	Local Authority	Achieved	$\checkmark$
.OW00111	Stokes Valley	9,198	Medium	Local Authority	Achieved	$\checkmark$
OW001WA	Wainuiomata	17,058	Large	Local Authority	Achieved	$\checkmark$
Doriruo Citu						
<b>Porirua City</b> Ione Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa
UD001JU	Judgeford	200	Small	Local Authority	Achieved	
OD00110 OR001MA	Mana/Plimmerton/Paremata	5,184	Medium	Local Authority	Achieved	<b>↓</b>
OROOINA POROO1PH	Porirua High Level	5,184 15,398	Large	Local Authority	Achieved	v √
OROO1PH PORO01PL	Porirua Low Level		-		Achieved	v √
POROO1PL		16,924	Large Minor	Local Authority Local Authority	Achieved	v √
	Pukerua Bay	1,656				v √
POR001WH	Whitby	7,282	Medium	Local Authority	Achieved	•

		11dfl:	s. mansgress	0013	Gap: Max days between	
Non-achieve	Act: Remedial action	Tran	s: Transgress	sions	Monit: Monitoring	
RED003R2	Redwood Valley 2	370	Small	Local Authority	Achieved	×
RED001R1	Redwood Valley 1	180	Small	Local Authority	Achieved	×
POH001PV	Pohara	150	Small	Local Authority	Achieved	×
MUR001MU	Murchison	490	Small	Local Authority	Achieved	×
MAPOO3MR MOT001MO	Mapua Rise Motueka	192	Small Minor	Local Authority	Achieved	×
LOW006LO MAP003MR	Lower Moutere Scheme 1 Mapua Rise	450 192	Small Small	Communal Local Authority	Not monit Achieved	× ✓
LAK013LA	Lake Rotoiti	200	Small	DOC	Achieved	✓ ×
KAI015KA	Kaiteriteri	300	Small	Local Authority	Achieved	× √
	Hope/Brightwater	2,730	Minor	Local Authority	Achieved	×
EIG001EI	Eighty Eight Valley Rural	200	Small	Local Authority	Achieved	×
DOV001DO	Dovedale Rural	450	Small	Local Authority	Trans	×
COL007CO	Collingwood	450	Small	Local Authority	Achieved	×
CEN002CT	Central Takaka	125	Small	Communal	Not monit	×
APP002AP	Appleby Hills	250	Small	Communal	Achieved	$\checkmark$
Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozo
Tasman Dist	rict					
NEL001NL	Nelson	49,740	Large	Local Authority	Achieved	$\checkmark$
GLE013GL	Glenwood	150	Small	Communal	Act Trans	$\checkmark$
Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozo
Nelson City						
MAR003MA	Martinborough	1,505	Minor	Local Authority	Monit: Sam, DoW, Gap	×
GRE002GR	Greytown	1,952	Minor	Local Authority	Monit: Sam, DoW, Gap	×
FEA001FE	Featherston	2,580	Minor	Local Authority	Monit: Sam, DoW, Gap	×
Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozo
South Waira	rapa District					
CAR001CA	Carterton	4,200	Minor	Local Authority	Achieved	×
Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozo
Carterton Di	strict					
VAIUSõVVA		184	SIIIdii	Communai		^
TIN002TI WAI058WA	Tinui Wainuioru Rural Water	120 184	Small Small	Local Authority Communal	Achieved Not monit	×
	Opaki Tipui	680 120	Minor Small	Communal	Achieved Achieved	× √
MAS002MA	Masterton	19,000	Large	Local Authority	Achieved	$\checkmark$
FERO01FE	Fernridge	320	Small	Communal	Achieved	<b>√</b>
Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozo
Masterton D				_		_
	-		-			
WEL002WE	Wellington Central	31,074	Large	Local Authority	Achieved	$\checkmark$
WEL002WA	Wadestown	6,789	Medium	, Local Authority	Achieved	$\checkmark$
WEL002TA	Tawa	12,903	Large	Local Authority	Achieved	$\checkmark$
WEL002SO	Southern Wellington	30,024	Large	Local Authority	Achieved	$\checkmark$
WEL002RE	Onslow	11,883	Large	Local Authority	Achieved	$\checkmark$
WEL002KA	Kelburn	9,924	Medium	Local Authority	Achieved	• ✓
WEL002JO WEL002KA	Karori	18,357 13,146	Large Large	Local Authority	Achieved	v √
WELOO2EA WELOO2JO	Eastern Wellington Johnsonville	16,815	Large	Local Authority Local Authority	Achieved Achieved	v √
WEL002CH	Churton	4,446	Minor	Local Authority	Achieved	$\checkmark$
WELOO2BR	Brooklyn	9,765	Medium	Local Authority	Achieved	<b>√</b>
		0 - 6 -				

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Review: Non-comply after review.

Not Monit: Not monitored/no data

Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa
RIC002RI	Richmond	10,500	Large	Local Authority	Achieved	×
RIC002WI	Waimea Industrial	1,800	Minor	Local Authority	Achieved	×
TAP003TA	Tapawera	400	Small	Local Authority	Achieved	×
WAI023MR	Mapua Ruby Bay	2,500	Minor	Local Authority	Achieved	×
WAK001WA	Wakefield	1,500	Minor	Local Authority	Achieved	×

# **Marlborough District**

Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa
BLE001BL	Blenheim	24,028	Large	Local Authority	Achieved (Monit: Gap)	$\checkmark$
HAV002HA	Havelock	618	Minor	Local Authority	Achieved	×
PIC001PI	Picton/Waikawa	4,185	Minor	Local Authority	Achieved	×
RAR001RA	Rarangi	160	Small	Communal	Achieved	×
REN001RE	Renwick	1,884	Minor	Local Authority	Achieved	×
RIV002RI	Riverlands Industrial Estate	740	Minor	Local Authority	Achieved	×
SED001DA	Dashwood Rural	333	Small	Local Authority	Achieved	×
SED001SE	Seddon, Awatere Valley	1,000	Minor	Local Authority	Achieved	×
WAI034WA	Wairau Valley	160	Small	Local Authority	Achieved	×
WAR003WA	Ward	250	Small	Communal	Not monit	×
WOO004WO	Woodbourne RNZAF Base	1,500	Minor	Govt Other	Achieved	×

# **Buller District**

Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa
HEC001HE	Hector	300	Small	Local Authority	Not monit	×
HEC001NG	Ngakawau	135	Small	Local Authority	Not monit	×
LIT003LI	Little Wanganui	150	Small	Local Authority	Not monit	×
PUN001PU	Punakaiki	230	Small	Local Authority	Trans	×
REE001RE	Reefton	951	Minor	Local Authority	Achieved	$\checkmark$
WAI001WA	Waimangaroa	300	Small	Local Authority	Not monit	×
WES001CA	Carters Beach	357	Small	Local Authority	Achieved	$\checkmark$
WES001WE	Westport	4,617	Minor	Local Authority	Achieved	$\checkmark$

### **Grey District**

Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa
BLA001BL	Blackball	280	Small	Local Authority	Achieved	×
GRE001CO	Cobden	1,650	Minor	Local Authority	Achieved	$\checkmark$
GRE001DO	Dobson	430	Small	Local Authority	Achieved	$\checkmark$
GRE001GM	Greymouth	5,950	Medium	Local Authority	Achieved (Monit: Gap)	$\checkmark$
GRE001TA	Taylorville	190	Small	Local Authority	Achieved	$\checkmark$
RUN001RU	Runanga	1,190	Minor	Local Authority	Trans	×

### Westland District

Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa
FOX001FO	Fox Glacier	252	Small	Local Authority	Achieved	х
FRA001FR	Franz Josef	2,611	Minor	Local Authority	Achieved	×
HAR001HA	Harihari	348	Small	Local Authority	Trans	×
HOK001HO	Hokitika	3,447	Minor	Local Authority	Achieved (Monit: Gap)	×
KUM001KU	Kumara	318	Small	Local Authority	Trans	×
ROS001RO	Ross Township	291	Small	Local Authority	Achieved	×
WHA002WH	Whataroa	405	Small	Local Authority	Achieved	×

### **Kaikoura District** Zone Code Population **Distribution Zone** Size Туре Bacteria Protozoa FER003FE Fernleigh Rural Water Supply 150 Small Local Authority Achieved х KAI004KU Kaikoura Urban 2,500 Minor Local Authority Achieved х KAI021EA Kaikoura East Coast Rural 150 Small Local Authority Monit: Sam, DoW, Gap х KIN003KI Kincaid Rural Water Supply Achieved × 120 Small Local Authority $\checkmark$ OAR001OA 400 Achieved Oaro Small Local Authority OCE002OC Ocean Ridge 500 Small Local Authority Achieved х

### Hurunui District

Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa
AMB001AT	Amberley Town	1,578	Minor	Local Authority	Trans	$\checkmark$
AMB001BE	Amberley Beach	343	Small	Local Authority	Act Trans	$\checkmark$
AMU001RO	Rotherham Township and Rural	699	Minor	Local Authority	Trans	×
ASH002AS	Ashley/Sefton/Loburn	4,527	Minor	Local Authority	Achieved	×
ASH002LB	Leithfield Beach	402	Small	Local Authority	Achieved	$\checkmark$
ASH002LE	Leithfield	903	Minor	Local Authority	Achieved	×
BAL003BA	Balmoral Rural	273	Small	Local Authority	Achieved	×
BRO016BR	Broomfield	565	Minor	Local Authority	Achieved	$\checkmark$
CHE001CT	Cheviot Town	795	Minor	Local Authority	Achieved	×
CUL001CU	Culverden	366	Small	Local Authority	Achieved	$\checkmark$
HAN001HA	Hanmer Town	948	Minor	Local Authority	Achieved	×
HAW001HW	Hawarden/Waikari	753	Minor	Local Authority	Achieved	×
каюз9ка	Kaiwara	129	Small	Local Authority	Achieved	×
LOW010LW	Lower Waitohi	315	Small	Local Authority	Achieved	×
MOT016MO	Motunau, Greta, Scargill	681	Minor	Local Authority	Achieved	×
PAR009PA	Parnassus Rural	210	Small	Local Authority	Achieved	×
WAI026WT	Waiau Township	255	Small	Local Authority	Achieved	×
WAI066UP	Waitohi Upper, Waipara	513	Minor	Local Authority	Act Trans	×
WAI067WA	Waiau Rural	435	Small	Local Authority	Achieved (Monit: Sam, Gap)	×
WAI068WA	Waipara Township	285	Small	Local Authority	Achieved	×

# Waimakariri District

Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa
CUS001CU	Cust	343	Small	Local Authority	Achieved	×
FER002FE	Fernside	210	Small	Local Authority	Achieved	×
GAR001GA	Garrymere	105	Small	Local Authority	Achieved	×
KAI003KA	Каіароі	12,168	Large	Local Authority	Achieved	$\checkmark$
MAN009MA	Mandeville	2,023	Minor	Local Authority	Achieved	×
OHO0010H	Ohoka	218	Small	Local Authority	Achieved	$\checkmark$
OXF101OX	Oxford Rural No1	775	Minor	Local Authority	Achieved	×
OXF102OR	Oxford Rural No2	773	Minor	Local Authority	Achieved	×
OXF103OX	Oxford Urban	2,173	Minor	Local Authority	Achieved	$\checkmark$
PEG001PE	Pegasus	4,005	Minor	Local Authority	Achieved	$\checkmark$
POY001PO	Poyntz Road	205	Small	Local Authority	Achieved	×
RAN001RA	Rangiora	17,130	Large	Local Authority	Achieved	$\checkmark$
WAI011KI	Waikuku Beach	1,150	Minor	Local Authority	Achieved	×
WES004SU	Summerhill	428	Small	Local Authority	Achieved	$\checkmark$
WES004WE	West Eyreton	168	Small	Local Authority	Achieved	$\checkmark$
WO0002WO	Woodend Town	2,678	Minor	Local Authority	Achieved	$\checkmark$

# **Christchurch City**

Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa
AKA001AK	Akaroa	1,350	Minor	Local Authority	Achieved	×
BIR001BI	Birdlings Flat	150	Small	Local Authority	Achieved	×
BRO012BR	Brooklands / Kainga	1,600	Minor	Local Authority	Achieved	$\checkmark$
CHR001CE	Central Christchurch	185,000	Large	Local Authority	Achieved	$\checkmark$
CHR001PA	Parklands	16,000	Large	Local Authority	Achieved (Monit: Gap)	$\checkmark$
CHR001RI	Riccarton	10,000	Medium	Local Authority	Achieved	$\checkmark$
CHR001RP	Rocky Point	2,500	Minor	Local Authority	Achieved	$\checkmark$
CHR001WE	West Christchurch	42,000	Large	Local Authority	Achieved	$\checkmark$
CHR002CI	Christchurch Int. Airport	6,000	Medium	Private Other	Monit: Sam	$\checkmark$
DUV001DU	Duvauchelle	250	Small	Local Authority	Achieved	×
LIT001LI	Little River	240	Small	Local Authority	Achieved	×

Non-achieve	Act: Remedial action	Trans: Transgressions	Monit: Monitoring
Mini Key:	Sam: Sample count	DoW: Days of week	Gap: Max days between samples
	Not Monit: Not monitored/no data	Review: Non-comply after review.	

Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa
LYT001DI	Diamond Harbour	1,200	Minor	Local Authority	Achieved	$\checkmark$
LYT001GO	Governors Bay	750	Minor	Local Authority	Achieved	$\checkmark$
LYT001LY	Lyttelton	2,500	Minor	Local Authority	Achieved	$\checkmark$
NOR012CH	Northwest Christchurch	80,000	Large	Local Authority	Achieved (Monit: Gap)	×
OKA010OK	Okains Bay	105	Small	Communal	Not monit	×
TAK002TA	Takamatua	150	Small	Local Authority	Achieved	×
WAI138WA	Wainui	200	Small	Local Authority	Achieved	$\checkmark$
WAT006WB	Waterloo Business Pk, Stage 1	400	Small	Private Other	Not monit	×

# Selwyn District

Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa
ART002AR	Arthurs Pass	350	Small	Local Authority	Achieved	×
BUR001BU	Burnham Camp	2,000	Minor	Govt Other	Trans	$\checkmark$
CAS003CA	Castle Hill	299	Small	Local Authority	Achieved	×
CLA005CL	Claremont	170	Small	Local Authority	Achieved (Monit: DoW)	$\checkmark$
DAR001DA	Darfield	3,520	Minor	Local Authority	Achieved	$\checkmark$
DUN008DU	Dunsandel & Sherwood Estate	480	Small	Local Authority	Achieved	×
EDE002ED	Edendale, Sandy Knolls	180	Small	Local Authority	Achieved	×
JOH001JO	Johnson Rd, West Melton	160	Small	Local Authority	Achieved	×
KIR001KI	Kirwee	1,207	Minor	Local Authority	Achieved	$\checkmark$
LAK007LA	Lake Coleridge	148	Small	Local Authority	Achieved (Monit: DoW)	×
LEE001LE	Leeston	2,350	Minor	Local Authority	Achieved	$\checkmark$
LIN002LI	Lincoln	5,400	Medium	Local Authority	Achieved	$\checkmark$
MAL001DA	Dalethorpe	183	Small	Local Authority	Achieved	×
MAL001MA	Malvern Hills, Hartleys Rd	1,409	Minor	Local Authority	Trans	×
PRE001PR	Prebbleton	3,906	Minor	Local Authority	Achieved	$\checkmark$
RAK003RA	Rakaia Huts	313	Small	Local Authority	Achieved	$\checkmark$
ROL001RO	Rolleston	15,047	Large	Local Authority	Achieved	$\checkmark$
SEL001AC	Acheron	240	Small	Local Authority	Achieved	×
SEL001HO	Hororata	920	Minor	Local Authority	Trans	×
SHE004SH	Sheffield/Waddington	585	Minor	Local Authority	Trans	×
SOU001SO	Southbridge	992	Minor	Local Authority	Achieved	×
SPR002SP	Springfield	520	Minor	Local Authority	Trans	×
SPR003SP	Springston	510	Minor	Local Authority	Achieved	$\checkmark$
TAI009TA	Tai Tapu	606	Minor	Local Authority	Achieved	$\checkmark$
WES010WE	West Melton	1,800	Minor	Local Authority	Achieved	×

# Ashburton District

Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa
ASH003AS	Ashburton	18,500	Large	Local Authority	Achieved	$\checkmark$
CHE002CH	Chertsey	230	Small	Local Authority	Achieved	$\checkmark$
FAI001FA	Fairton	210	Small	Local Authority	Achieved	$\checkmark$
HAK001HH	Hakatere Upper	110	Small	Local Authority	Achieved	×
HIG002HI	Highbank Society Water Supply	220	Small	Communal	Monit: Sam, DoW, Gap	×
HIN001HI	Hinds	340	Small	Local Authority	Achieved	$\checkmark$
LYN002LY	Lyndhurst	250	Small	Private Other	Not monit	$\checkmark$
MAY001MA	Mayfield	160	Small	Local Authority	Achieved	$\checkmark$
MET001ME	Methven	1,700	Minor	Local Authority	Achieved	×
MET002MS	Methven/Springfield	178	Small	Local Authority	Achieved	×
MTS001MS	Mt Somers Township	260	Small	Local Authority	Achieved	×
RAK001RA	Rakaia Township	1,100	Minor	Local Authority	Achieved	$\checkmark$

### **Timaru District**

Zone Code	Distribution Zone	Population	Size	Туре	Bacteria F	rotozoa
ARO002AO	Arowhenua	215	Small	Private Other	Not monit	×
DOW001ST	Sutherlands/Taiko	3,500	Minor	Local Authority	Achieved	×
DOW001WR	Waimate Rural	350	Small	Local Authority	Trans	×
DOW001WT	Waitohi/Totara Valley	700	Minor	Local Authority	Achieved	×
GER001GE	Geraldine	2,121	Minor	Local Authority	Achieved	×
HAD001HA	Hadlow	312	Small	Local Authority	Achieved	$\checkmark$
PAR002PA	Pareora	450	Small	Local Authority	Achieved	$\checkmark$
PEE001PF	Peel Forest	130	Small	Local Authority	Achieved	×
PLE001PP	Pleasant Point	1,200	Minor	Local Authority	Achieved	×
SEA001SE	Seadown	750	Minor	Local Authority	Achieved	×
STA004ST	St Andrews	280	Small	Local Authority	Achieved	×
TEM001OR	Orari	180	Small	Local Authority	Achieved	×
TEM001TE	Temuka	3,984	Minor	Local Authority	Achieved	×
TEM001WI	Winchester	260	Small	Local Authority	Achieved	×
TEM002GD	Geraldine Downs	450	Small	Local Authority	Achieved	×
TEM002GF	Geraldine Flat	200	Small	Local Authority	Trans	×
TEM002TE	Te Moana	1,000	Minor	Local Authority	Achieved	×
TIM001GL	Gleniti	3,400	Minor	Local Authority	Achieved	$\checkmark$
TIM001TI	Timaru	23,432	Large	Local Authority	Achieved (Monit: DoW, Gap)	$\checkmark$

# Mackenzie District

Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa
ALB001AL	Albury Rural	125	Small	Communal	Act Trans Monit: Sam	×
ALL001AL	Allandale	150	Small	Local Authority	Achieved	×
FAI002FA	Fairlie	850	Minor	Local Authority	Act Trans	×
FAI002KI	Kimbell	150	Small	Local Authority	Achieved	×
MTC001MT	Mt Cook	350	Small	DOC	Achieved	$\checkmark$
TEK005TE	Tekapo	500	Small	Local Authority	Act Trans	×
TWI001TW	Twizel	1,300	Minor	Local Authority	Achieved	×

### Waimate District

Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa
CAN001CM	Cannington/Motukaika	120	Small	Local Authority	Trans	×
HAK002HA	Hakataramea	165	Small	Communal	Act Trans	×
HOO001HW	Hook/Waituna	1,350	Minor	Local Authority	Trans Monit: Sam	×
LOW002LO	Lower Waihao	600	Minor	Local Authority	Achieved (Monit: Sam)	×
OTA005OM	Otaio/Makikihi	430	Small	Local Authority	Trans	$\checkmark$
WAI031WA	Waihaorunga	141	Small	Local Authority	Achieved	×
WAI032WA	Waikakahi	360	Small	Local Authority	Achieved	×
WAI033WA	Waimate	3,000	Minor	Local Authority	Achieved	$\checkmark$

# Waitaki District

Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa
AWA001AW	Awamoko	399	Small	Local Authority	Achieved	×
HAM002HA	Hampden	237	Small	Local Authority	Achieved (Monit: Gap)	×
HAM002MO	Moeraki	264	Small	Local Authority	Achieved	×
HER001HE	Herbert	670	Minor	Local Authority	Monit: Gap	×
KAU001KA	Kauru Hill	197	Small	Local Authority	Achieved	×
KUR001KU	Kurow Township	330	Small	Local Authority	Achieved	$\checkmark$
LOW004LO	Lower Waitaki	778	Minor	Local Authority	Achieved	$\checkmark$
MAH001MA	Maheno	152	Small	Communal	Achieved	$\checkmark$
OAM001AR	Oamaru, Ardgowan	252	Small	Local Authority	Achieved	$\checkmark$
OAM001CE Oamaru, Central		4,622	Minor	Local Authority	Achieved	$\checkmark$
OAM001KA Oamaru, Kakanui		520	Minor	Local Authority	Monit: DoW, Gap	$\checkmark$
Non-achieve	Act: Remedial action	Trans	s: Transgres	ssions	Monit: Monitoring	
Mini Key:	Sam: Sample count Not Monit: Not monitored/no		: Days of w w: Non-co	eek mply after review.	Gap: Max days between samples	

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# Appendix 2. Microbiological achievement

Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa
OAM001NE	Oamaru, North End	2,234	Minor	Local Authority	Achieved	$\checkmark$
OAM001RR	Oamaru, Reservoir Road	768	Minor	Local Authority	Achieved (Monit: Gap)	$\checkmark$
OAM001SH	Oamaru, South Hill	3,933	Minor	Local Authority	Achieved (Monit: Gap)	$\checkmark$
OAM001WE	Oamaru, Weston - Enfield	2,061	Minor	Local Authority	Achieved (Monit: Gap)	$\checkmark$
OMA0010M	Omarama Town	270	Small	Local Authority	Achieved	×
OTE001OT	Otematata Hydro Village	195	Small	Local Authority	Trans	×
TOK003TL	Tokarahi/Livingstone	573	Minor	Local Authority	Achieved	×
WAI215DU	Waihemo, Dunback Rural	229	Small	Local Authority	Achieved	$\checkmark$
WAI215GO	Waihemo, Goodwood Rural	270	Small	Local Authority	Achieved (Monit: Gap)	$\checkmark$
WAI215PA	Waihemo, Palmerston Town	858	Minor	Local Authority	Achieved (Monit: Gap)	$\checkmark$
WIN004WI	Windsor	137	Small	Local Authority	Achieved	×

#### **Central Otago District**

Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa
ALE001AL	Alexandra	5,000	Minor	Local Authority	Achieved	×
ALE002BE	Bennys	104	Small	Communal	Not monit	×
CLY001CL	Clyde Township	1,000	Minor	Local Authority	Achieved	×
CRO001BA	Bannockburn	400	Small	Local Authority	Achieved	×
CRO001CR	Cromwell	4,000 Minor Local Authority Achieved		×		
EAR002EA	Earnscleugh Water Scheme	120	Small	Private Other	Monit: Sam, DoW, Gap	×
LAS003LA	Last Chance	120	Small	Communal	Achieved	$\checkmark$
MIL006MI	Millers Flat	210	Small	Communal	Achieved	$\checkmark$
NAS001NA	Naseby	150	Small	Local Authority	Achieved	×
OMA0050M	Omakau	350	Small	Local Authority	Achieved	×
PAT003PA	Patearoa	260	Small	Local Authority	Achieved	×
PIS001PI	Pisa Moorings	157	Small	Private Other	Achieved	×
PIS002PI	Pisa Village	250	Small	Local Authority	Achieved	×
RAN002RA	Ranfurly	750	Minor	Local Authority	Achieved	×
ROX001RO	Roxburgh	700	Minor	Local Authority	Achieved	×

#### **Dunedin City**

Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa
DUN001BO	Booth Road, Dunedin	37,036	Large	Local Authority	Achieved	$\checkmark$
DUN001GI	Green Island	10,199	Large	Local Authority	Achieved	$\checkmark$
DUN001LL	Low Levels/Peninsula, Dunedin	37,726	Large	Local Authority	Achieved	$\checkmark$
DUN001MH	Maori Hill	13,785	Large	Local Authority	Achieved	$\checkmark$
DUN001PC	Port Chalmers	2,469	Minor	Local Authority	Achieved	$\checkmark$
DUN001WI	Wingatui, Dunedin	1,124	Minor	Local Authority	Achieved	$\checkmark$
MOS001EA	East Taieri	300	Small	Local Authority	Achieved	$\checkmark$
MOS001KI	Kinmont	341	Small	Local Authority	Achieved	$\checkmark$
MOS001QH	Quarry Hill	9,535	Medium	Local Authority	Achieved	$\checkmark$
OUT001OU	Outram Township	750	Minor	Local Authority	Achieved	$\checkmark$
WAI015WK	Waikouaiti/Karitane/Seacliff	1,642	Minor	Local Authority	Achieved	$\checkmark$
WES002WE	West Taieri Scheme	450	Small	Local Authority	Achieved	✓

#### **Clutha District**

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Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa
BAL001BA	Balclutha	3,918	Minor	Local Authority	Achieved (Monit: Sam)	×
CLY005CL	Clinton Township	285	Small	Local Authority	Achieved (Monit: DoW)	×
CLY005RU	Clydevale-Pomahaka Rural	493	Small	Local Authority	Achieved (Monit: DoW)	×
GLE001GK	Glenkenich Rural	705	Minor	Local Authority	Trans Monit: Sam	×
KAI005KA	Kaitangata Township	762	Minor	Local Authority	Achieved (Monit: Sam)	×
LAW001LT	Lawrence	417	Small	Local Authority	Achieved (Monit: DoW)	×
MIL001MT	Milton	1,929	Minor	Local Authority	Achieved (Monit: Sam)	×
MIL0010C	Otago Corrections Facility	600	Minor	Local Authority	Achieved (Monit: Sam)	×
MOA001MF	Moa Flat Rural	534	Minor	Local Authority	Achieved (Monit: Sam)	×
NOR003NB	North Bruce Rural	658	Minor	Local Authority	Achieved (Monit: Sam)	×
NOR003WT	Waihola Township	270	Small	Local Authority	Trans Monit: DoW	×
OWA001OW	/ Owaka	303	Small	Local Authority	Achieved (Monit: DoW)	×
RIC009KA	Kaka Point Township	222	Small	Local Authority	Achieved (Monit: DoW)	×

# Appendix 2. Microbiological achievement

Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa
RIC009NO	Richardson Rural North	312	Small	Local Authority	Achieved (Monit: DoW)	×
RIC009SO	Richardson Rural South	469	Small	Local Authority	Achieved (Monit: DoW)	×
STI002SB	South Bruce Rural	434	Small	Local Authority	Achieved (Monit: DoW)	×
STI002ST	Stirling Township	303	Small	Local Authority	Achieved (Monit: DoW)	×
TAP001TA	Tapanui	726	Minor	Local Authority	Achieved (Monit: Sam)	×
TUA004TW	Tuapeka West Rural	283	Small	Local Authority	Achieved (Monit: DoW)	×
WAI016B1	Balmoral 1 Rural	247	Small	Local Authority	Achieved (Monit: DoW)	×
WAI016B2	Balmoral 2 Rural	399	Small	Local Authority	Achieved (Monit: DoW)	×
WAI016TE	Tuapeka East Rural	276	Small	Local Authority	Achieved (Monit: DoW)	×

#### **Queenstown Lakes District**

Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa
ARR001AR	Arrowtown	3,587	Minor	Local Authority	Achieved	×
ART001AP	Arthurs Point	1,248	Minor	Local Authority	Achieved	×
CAM008CA	Camphill Estate	132	Small	Communal	Achieved	×
GLE003GL	Glenorchy	1,232	Minor	Local Authority	Achieved	×
HAW002HA	Hawea	2,444	Minor	Local Authority	Achieved	×
JAC002JA	Jacks Point	600	Minor	Private Other	Achieved	$\checkmark$
LAK003ES	Lake Hayes Est & Shotover Ctry	799	Minor	Local Authority	Achieved	$\checkmark$
LAK003LH	Lake Hayes	1,697	Minor	Local Authority	Achieved	$\checkmark$
LUG001LU	Luggate	855	Minor	Local Authority	Achieved	×
QUE001KE	Kelvin Heights	4,400	Minor	Local Authority	Achieved	×
QUE001QU	Queenstown	15,600	Large	Local Authority	Achieved	×
WAN002AL	Albert Town	506	Minor	Local Authority	Achieved	×
WAN002WA	Wanaka	9,608	Medium	Local Authority	Achieved	×
WAN007WA	Wanaka Airport	150	Small	Local Authority	Achieved	×

#### **Gore District**

Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa
GOR001GO	Gore	7,480	Medium	Local Authority	Trans	×
MAT002MA	Mataura	1,790	Minor	Local Authority	Trans	×
OTA004OT	Otama	300	Small	Local Authority	Achieved	×

### Invercargill City

Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa
INV001BL	Bluff	2,956	Minor	Local Authority	Achieved	×
INV001IN	Invercargill City	47,500	Large	Local Authority	Achieved	×

#### Southland District

Zone Code	Distribution Zone	Population	Size	Туре	Bacteria	Protozoa
EDE001ED	Edendale	558	Minor	Local Authority	Achieved	×
EDE001WY	Wyndham	594	Minor	Local Authority	Achieved	×
LUM001BA	Lumsden/Balfour Rural	608	Minor	Local Authority	Achieved	×
LUM001LU	Lumsden	453	Small	Local Authority	Achieved	×
MAN006MA	Manapouri	228	Small	Local Authority	Achieved	×
MIL007MI	Milford Sound	350	Small	Private Other	Act Trans Monit: DoW, Gap	) X
MOS002MO	Mossburn	201	Small	Local Authority	Achieved	×
OHA009NI	Nightcaps	306	Small	Local Authority	Achieved	$\checkmark$
OHA009OH	Ohai	303	Small	Local Authority	Achieved	$\checkmark$
OTA001OT	Otautau	798	Minor	Local Authority	Achieved	×
RIV001RI	Riverton	1,506	Minor	Local Authority	Achieved	×
TEA002TE	Te Anau	2,628	Minor	Local Authority	Achieved	$\checkmark$
TUA001TU	Tuatapere	561	Minor	Local Authority	Achieved	×
WIN001WI	Winton	2,436	Minor	Local Authority	Achieved	×

Non-achieve	Act: Remedial action	Trans: Transgressions	Monit: Monitoring
Mini Key:	Sam: Sample count	DoW: Days of week	Gap: Max days between samples
	Not Monit: Not monitored/no data	Review: Non-comply after review.	

#### KEY

Size	Population	Column	Meaning	Other Chemical	Meaning
Small	101 to 500	Chemical	Chemical achievement against Standards	В	Boron
Minor	501 to 5,000	As	Arsenic	Cd	Cadmium
Medium	5,001 to 10,000	F	Fluoride	CHBCl2	Bromodichloromethane
Large	10,001 or more	HAA	Haloacetic acids	CIO3	Chlorate
Plumbosolvency	Meaning	NO3	Nitrate	Cu	Copper
Notified	Plumbosolvency warning notified to ratepayers	Pb	Lead	DCAA	Dichloroacetic acid
Exempt	Small population, so exempt from warning requirement	TCAA	Trichloroacetic acid	Mn	Manganese
Not plumbo	Supply demonstrated to be non-plumbosolvent	тнм	Trihalomethanes	Ni	Nickel
Х	Supply assumed plumbosolvent, but ratepayers not notified			NOx	Nitrate and nitrite
Symbol	Meaning			Sb	Antimony
•	Priority 2 determinand not assigned				
$\checkmark$	Zone or contributing plants achieved for allocated determinand				
×	Did not achieve				
×т	Did not achieve, and has transgressions				

#### Whangarei District

Zone Code	Distribution Zone	Population	Size	Туре	Chemical	As	F	HAA	NO3	Pb	TCAA	THM	Other Chemical	Plumbosolvency
BRE001BR	Bream Bay	5,900	Medium	Local Authority	$\checkmark$			$\checkmark$				$\checkmark$	CHBCl2√	Notified
HUK001HU	Hukerenui School	150	Small	Educ. Public	$\checkmark$									Exempt
MAU002MA	Maungakaramea	200	Small	Local Authority	$\checkmark$									Notified
WHA007HE	Whangarei Heads	7,200	Medium	Local Authority	$\checkmark$								•	Notified
WHA007HI	Hikurangi	1,330	Minor	Local Authority	$\checkmark$								•	Notified
WHA007WH	I Whangarei	48,000	Large	Local Authority	$\checkmark$	•		•	•		•	$\checkmark$		Notified

#### Far North District

Zone Code	Distribution Zone	Population	Size	Туре	Chemical	As	F	HAA	NO3	Pb	TCAA	THM	Other Chemical	Plumbosolvency
CAR011CA	Carrington Estate	120	Small	Private Other	$\checkmark$									Notified
DOU004EC	East Coast Bays	2,000	Minor	Private Other	$\checkmark$									Notified
KAI006KA	Kaikohe	4,000	Minor	Local Authority	$\checkmark$							$\checkmark$		Notified
KAI006NG	Ngawha Springs	200	Small	Local Authority	$\checkmark$									Notified
KAI008KA	Kaitaia	5,400	Medium	Local Authority	$\checkmark$							$\checkmark$		Notified
KAW002KA	Kawakawa	1,500	Minor	Local Authority	$\checkmark$									Notified
KAW002MO	Moerewa / Otiria	2,000	Minor	Local Authority	$\checkmark$									Notified
KER001KE	Kerikeri	6,200	Medium	Local Authority	$\checkmark$									Notified
KER001WA	Waipapa	500	Small	Local Authority	$\checkmark$							$\checkmark$		Notified
NGA046NG	Ngati Rehia Wai Trust	120	Small	Marae	$\checkmark$									Exempt
OKA003OK	Okaihau	800	Minor	Local Authority	$\checkmark$									Notified
OMA002OM	Omapere	900	Minor	Local Authority	×							×т		Notified
PAI001HA	Haruru Falls	1,000	Minor	Local Authority	$\checkmark$							$\checkmark$		Notified
PAI001OP	Opua	1,000	Minor	Local Authority	$\checkmark$							$\checkmark$		Notified
PAI001PA	Paihia	2,000	Minor	Local Authority	$\checkmark$							$\checkmark$	CHBCl2√	Notified
РАКООЗРА	Pakanae	160	Small	Communal	$\checkmark$									Notified
RAW001RA	Rawene	600	Minor	Local Authority	$\checkmark$									Notified
RUS004RU	Russell Township-Commercial	200	Small	Private Other	$\checkmark$									Notified
WAI045WA	Waipapa, Lock	150	Small	Private Other	$\checkmark$									Exempt
WAI226WA	Waima Hapu Community	200	Small	Private Other	$\checkmark$									Exempt
WHI012WH	Whirinaki Water Board	400	Small	Private Other	$\checkmark$	•		•	•		•	•		Exempt
Kaipara Dist	rict													
Zone Code	Distribution Zone	Population	Size	Туре	Chemical	As	F	HAA	NO3	Pb	TCAA	THM	Other Chemical	Plumbosolvenc
DAR002BB	Baylys Beach	228	Small	Local Authority	$\checkmark$									Notified
DAR002DT	Dargaville Town	4,455	Minor	Local Authority	$\checkmark$									Notified
KAI007KD	Kaihu-Dargaville	324	Small	Local Authority	$\checkmark$									Notified
MAN003MA	Mangawhai Heads	200	Small	Local Authority	$\checkmark$									Notified
MAU001MA	Maungaturoto	900	Minor	Local Authority	$\checkmark$									Notified
	Ruawai	426	Small	Local Authority	$\checkmark$									Notified

Chemicals	As Arsenic	CHBCl2 Bron	nodichloromethane	DCAA	Dichloroacetic acid	Mn	Manganese	NOx	Nitrate and nitrite	TCAA	Trichloroacetic acid
Mini Key	B Boron	ClO3 Chlo	rate	F	Fluoride	Ni	Nickel	Pb	Lead	THM	Trihalomethanes
	Cd Cadmium	Cu Copp	per	HAA	Haloacetic acids	NO3	Nitrate	Sb	Antimony		

#### Greater Auckland (Watercare)

Zone Code	Distribution Zone	Population	Size	Туре	Chemical	As	F	HAA	NO3	Pb	TCAA	THM	Other Chemical	Plumbosolvency
AUC003AA	Auckland Airport	4,557	Minor	Local Authority	$\checkmark$		$\checkmark$							Not plumbo
AUC003AU	Auckland	261,638	Large	Local Authority	$\checkmark$		$\checkmark$							Notified
AUC003AZ	Anzac	3,445	Minor	Local Authority	$\checkmark$		$\checkmark$							Notified
AUC003BU	Buckland	609	Minor	Local Authority	$\checkmark$		$\checkmark$							Notified
AUC003CB	Central Business Dist.Auckland	14,590	Large	Local Authority	$\checkmark$		$\checkmark$							Notified
AUC003CL	Clarks/Waiau Beach	1,332	Minor	Local Authority	$\checkmark$		$\checkmark$							Notified
AUC003EB	East Tamaki/Botany	36,914	Large	Local Authority	$\checkmark$		$\checkmark$							Not plumbo
AUC003GL	Glenbrook Beach	393	Small	Local Authority	$\checkmark$		$\checkmark$							Notified
AUC003GN	Glen Eden/New Lynn	56,785	Large	Local Authority	$\checkmark$		$\checkmark$							Notified
AUC003HE	Henderson	125,916	Large	Local Authority	$\checkmark$		$\checkmark$							Notified
AUC003HH	High Head	4,000	Minor	Local Authority	$\checkmark$		$\checkmark$							Not plumbo
AUC003HI	Hillsborough	62,355	Large	Local Authority	$\checkmark$		$\checkmark$							Notified
AUC003HO	Howick/Pakuranga	94,803	Large	Local Authority	$\checkmark$		$\checkmark$							Not plumbo
AUC003HT	Hilltop	947	Minor	Local Authority	$\checkmark$		$\checkmark$							Notified
AUC003HW	HBC/Waiwera	28,898	Large	Local Authority	$\checkmark$		$\checkmark$							Notified
AUC003KI	Kitchener	14,866	Large	Local Authority	$\checkmark$		$\checkmark$							Notified
AUC003LA	Laingholm	2,457	Minor	Local Authority	$\checkmark$		$\checkmark$							Notified
AUC003MA	Maungawhau	45,267	Large	Local Authority	$\checkmark$		$\checkmark$							Notified
AUC003MG	Mangere	71,629	Large	Local Authority	$\checkmark$		$\checkmark$							Not plumbo
AUC003MO	Montana	4,615	Minor	Local Authority	$\checkmark$		$\checkmark$							Notified
AUC003MT	Mt Hobson	30,526	Large	Local Authority	$\checkmark$		$\checkmark$							Notified
AUC003MW	Manurewa	72,305	Large	Local Authority	$\checkmark$		$\checkmark$							Not plumbo
AUC003ON	Onehunga	27,101	Large	Local Authority	$\checkmark$									Notified
AUC003OP	Otara/Papatoetoe/Manukau C	ent. 58,441	Large	Local Authority	$\checkmark$		$\checkmark$							Not plumbo
AUC003OR	Oratia	1,596	Minor	Local Authority	$\checkmark$		$\checkmark$					$\checkmark$		Notified
AUC003OT	Otahuhu	11,083	Large	Local Authority	$\checkmark$		$\checkmark$							Notified
AUC003PT	Patumahoe	606	Minor	Local Authority	$\checkmark$		$\checkmark$							Notified
AUC003SO	North Shore Sth.	151,400	Large	Local Authority	$\checkmark$		$\checkmark$							Notified
AUC003SW	Swanson	4,540	Minor	Local Authority	$\checkmark$		$\checkmark$							Notified
AUC003TH	Te Henga	1,085	Minor	Local Authority	$\checkmark$		$\checkmark$					$\checkmark$		Notified
AUC003WE	North Shore West	71,300	Large	Local Authority	$\checkmark$		$\checkmark$							Notified
AUC003WH	Whenuapai	5,460	Medium	Local Authority	$\checkmark$		$\checkmark$							Notified
зомоозво	Bombay	609	Minor	Local Authority	$\checkmark$				$\checkmark$					Notified
BUR004BU	Burnside Road	352	Small	, Local Authority	$\checkmark$		$\checkmark$							Notified
HELOO5HP	Helensville/Parakai	4,579	Minor	, Local Authority	×							×т		Notified
HUI006HV	Huia Village	597	Minor	, Local Authority	$\checkmark$									Notified
	Muriwai	563	Minor	Local Authority	$\checkmark$									Notified

Zone Code	Distribution Zone	Population	Size	Туре	Chemical	As	F	HAA	NO3	Pb	TCAA	THM	Other Chemical	Plumbosolvency
PAP001PC	Papakura City	32,421	Large	Local Authority	$\checkmark$		$\checkmark$							Notified
PAP001RH	Red Hill	2,475	Minor	Local Authority	$\checkmark$		$\checkmark$							Notified
PAP001TA	Takanini	13,617	Large	Local Authority	$\checkmark$		$\checkmark$							Notified
SNE002SN	Snells/Algies	4,664	Minor	Local Authority	$\checkmark$									Notified
WAI214WA	Waiuku	8,697	Medium	Local Authority	$\checkmark$	$\checkmark$								Notified
WAR006WA	Warkworth	4,111	Minor	Local Authority	$\checkmark$							$\checkmark$		Notified
WEL004WE	Wellsford/Te Hana	2,114	Minor	Local Authority	$\checkmark$							$\checkmark$		Notified

#### **Greater Auckland**

Zone Code	Distribution Zone	Population	Size	Туре	Chemical	As	F	HAA	NO3	Pb	TCAA	THM	Other Chemical	Plumbosolvency
BOM002BO	Bombay Motorway Services	200	Small	Private Other	$\checkmark$									Exempt
BRO015BP	Broadway Park, Newmarket	1,000	Minor	Private Other	$\checkmark$		$\checkmark$							Х
HAR005HA	Haranui Whanau	200	Small	Marae	$\checkmark$									Notified
KEN005KP	Kensington Park	450	Small	Private Other	$\checkmark$									Exempt
KIN002KH	Kingseat Community	400	Small	Private Other	$\checkmark$									Notified
MAT034MA	Matiatia Wharf	800	Minor	Local Authority	$\checkmark$									Х
PIN003PI	Pine Harbour	150	Small	Private Other	$\checkmark$									Exempt
WAI197GL	Waiuku, Glenbrook Beach Roa	d 200	Small	Private Other	$\checkmark$									Notified

#### **Thames Coromandel District**

Zone Code	Distribution Zone	Population	Size	Туре	Chemical	As	F	HAA	NO3	Pb	TCAA	THM	Other Chemical	Plumbosolvency
COR001CO	Coromandel	1,657	Minor	Local Authority	$\checkmark$									Notified
HAH001HA	Hahei, Harsant Subdivision	457	Small	Local Authority	$\checkmark$									Notified
НАНООЗРА	Hahei, Pa Road	200	Small	Private Other	$\checkmark$									Notified
MAT009MA	Matatoki	150	Small	Local Authority	$\checkmark$									Notified
MAT010MA	Matarangi	279	Small	Local Authority	$\checkmark$									Notified
ONE002ON	Onemana	170	Small	Local Authority	$\checkmark$									Notified
PAU001PA	Pauanui	747	Minor	Local Authority	$\checkmark$									Notified
PUR003PU	Puriri	150	Small	Local Authority	$\checkmark$									Notified
TAI002TA	Tairua	1,335	Minor	Local Authority	$\checkmark$			$\checkmark$				$\checkmark$		Notified
TEP007AP	Te Puru - Aputa Ave	200	Small	Local Authority	$\checkmark$									Notified
THA001TK	Thames - Kopu	7,657	Medium	Local Authority	×		×							Notified
WHA003WH	Whangamata	3,665	Minor	Local Authority	$\checkmark$									Notified
WHI001WH	Whitianga	4,115	Minor	Local Authority	$\checkmark$									Notified

Cł	nemicals	As Arsenic	CHBCI2	Bromodichloromethane	DCAA	Dichloroacetic acid	Mn	Manganese	NOx	Nitrate and nitrite	TCAA Trichloroacetic acid
м	ini Key	B Boron	CIO3	Chlorate	F	Fluoride	Ni	Nickel	Pb	Lead	THM Trihalomethanes
		Cd Cadmium	Cu	Copper	HAA	Haloacetic acids	NO3	Nitrate	Sb	Antimony	

#### Hauraki District

Zone Code	Distribution Zone	Population	Size	Туре	Chemical	As	F	HAA	NO3	Pb	TCAA	THM	Other Chemical	Plumbosolvency
KAI013KA	Kaimanawa	204	Small	Local Authority	$\checkmark$									Not plumbo
KAR001KA	Karangahake	147	Small	Local Authority	×	×т								Notified
KER005KE	Kerepehi	1,371	Minor	Local Authority	$\checkmark$									Notified
KER005TU	Turua	1,181	Minor	Local Authority	$\checkmark$									Notified
MAC003MA	Mackaytown	174	Small	Local Authority	$\checkmark$									Notified
PAE001OH	Ohinemuri	702	Minor	Local Authority	$\checkmark$	•								Notified
PAE001PA	Paeroa	3,864	Minor	Local Authority	$\checkmark$	•								Notified
WAI003WA	Waihi	4,623	Minor	Local Authority	$\checkmark$									Notified
WAI043WA	Waikino	304	Small	Local Authority	$\checkmark$									Notified
WAI201WA	Waitakaruru	2,076	Minor	Local Authority	$\checkmark$									Notified

#### Waikato District

Zone Code	Distribution Zone	Population	Size	Туре	Chemical	As	F	HAA	NO3	Pb	TCAA	THM	Other Chemical	Plumbosolvency
HUN002HU	Huntly	7,210	Medium	Local Authority	$\checkmark$		$\checkmark$							Notified
HUN002RO	Rotongaro	130	Small	Local Authority	$\checkmark$		$\checkmark$							Notified
NGA002HO	Horotiu	459	Small	Local Authority	$\checkmark$		$\checkmark$							Notified
NGA002HP	Hopuhopu	200	Small	Local Authority	$\checkmark$		$\checkmark$							Notified
NGA002NG	Ngaruawahia	5,691	Medium	Local Authority	$\checkmark$		$\checkmark$							Notified
NGA002TA	Taupiri	529	Minor	Local Authority	$\checkmark$		$\checkmark$							Notified
NOR013NO	North Western Dist, Waikato D	C 115	Small	Local Authority	$\checkmark$		$\checkmark$							Notified
POK001PO	Pokeno	519	Minor	Local Authority	$\checkmark$		$\checkmark$							Notified
RAG001RA	Raglan	3,187	Minor	Local Authority	$\checkmark$									Notified
SOU009SO	Southern Districts, Waikato DC	5,466	Medium	Local Authority	$\checkmark$		$\checkmark$							Notified
TEK001TR	Te Kauwhata / Rangiriri	1,410	Minor	Local Authority	$\checkmark$		$\checkmark$							Notified
TEK001WH	Whangamarino Rural / Mereme	ere 739	Minor	Local Authority	$\checkmark$		$\checkmark$							Notified
TUA002TN	Tuakau North	823	Minor	Local Authority	$\checkmark$		$\checkmark$							Notified
TUA002TS	Tuakau South	3,119	Minor	Local Authority	$\checkmark$		$\checkmark$							Notified

#### Matamata Piako District

Zone Code	Distribution Zone	Population	Size	Туре	Chemical	As	F	HAA	NO3	Pb	TCAA	THM	Other Chemical	Plumbosolvency
MAT004MA	Matamata Township	6,309	Medium	Local Authority	$\checkmark$									Notified
MAT004WA	Waharoa	634	Minor	Local Authority	$\checkmark$									Notified
MOR001MO	Morrinsville Township	6,603	Medium	Local Authority	$\checkmark$									Notified
TAH001TA	Tahuna Township	120	Small	Local Authority	$\checkmark$									Notified
TAT005FA	Tatua Dairy Factory Endpoint	200	Small	Private Other	$\checkmark$									Notified
TEA003TE	Te Aroha	3,768	Minor	Local Authority	$\checkmark$									Notified
WAI049WA	Waitoa Village & Factory	500	Small	Private Other	×			×т		•				Notified

### Hamilton City

Zone Code	Distribution Zone	Population	Size	Туре	Chemical	As	F	HAA	NO3	Pb	TCAA	THM	Other Chemical	Plumbosolvency
HAM001HA	Hamilton City	130,813	Large	Local Authority	$\checkmark$		$\checkmark$							Notified
HAM001RU	Ruakura/Ryburn Road	151	Small	Local Authority	$\checkmark$		$\checkmark$							Notified
HAM001TE	Temple View, Hamilton	1,413	Minor	Local Authority	$\checkmark$		$\checkmark$						•	Notified
Waipa Dist	rict													
Zone Code	Distribution Zone	Population	Size	Туре	Chemical	As	F	HAA	NO3	Pb	TCAA	THM	Other Chemical	Plumbosolvenc
CAM001CA	Cambridge	13,368	Large	Local Authority	$\checkmark$									Notified
CAM001KA	Karapiro Village	132	Small	Local Authority	$\checkmark$									Notified
HAM006IT	East Side Terminal	400	Small	Private Other	$\checkmark$									Notified
HAM006WE	West Side Aviation Area	350	Small	Private Other	$\checkmark$									Notified
KIHO01KI	Kihikihi	2,000	Minor	Local Authority	$\checkmark$									Notified
PUK001OH	Ohaupo	468	Small	Local Authority	$\checkmark$									Notified
PUK001PU	Pukerimu Rural	3,278	Minor	Local Authority	$\checkmark$									Notified
FEA001PI	Pirongia	1,500	Minor	Local Authority	$\checkmark$									Notified
TEA001TE	Te Awamutu Township	9,165	Medium	Local Authority	$\checkmark$									Notified
ТОКОО6ТН	Tokanui	250	Small	Communal	$\checkmark$									Notified
Otorohang	a District													
Zone Code	Distribution Zone	Population	Size	Туре	Chemical	As	F	HAA	NO3	Pb	TCAA	тнм	Other Chemical	Plumbosolvenc
ARO001AO	Aotearoa Road, Arohena	120	Small	Local Authority	$\checkmark$									Notified
ARO001MA	Mangare Road, Arohena	120	Small	Local Authority	$\checkmark$									Notified
KAW001KA	Kawhia Township	390	Small	Local Authority	$\checkmark$									Notified
ОТО001ОТ	Otorohanga	2,875	Minor	Local Authority	$\checkmark$									Notified
OTO001WA	Waipa	175	Small	Local Authority	$\checkmark$									Notified
TIH001TI	Tihiroa	400	Small	Local Authority	$\checkmark$									Notified
South Wail	kato District													
Zone Code	Distribution Zone	Population	Size	Туре	Chemical	As	F	HAA	NO3	Pb	TCAA	THM	Other Chemical	Plumbosolvenc
ARA003AR	Arapuni	300	Small	Local Authority	$\checkmark$									Notified
	Putaruru	4,116	Minor	Local Authority	$\checkmark$									Notified
PUT001PU	Pularuru			,										
PUTO01PU TIRO01TI	Tirau	700	Minor	Local Authority	$\checkmark$									Notified

Chemicals	As Arsenic	CHBCl2	Bromodichloromethane	DCAA	Dichloroacetic acid	Mn	Manganese	NOx	Nitrate and nitrite	TCAA Trichloroacetic acid
Mini Key	B Boron	CIO3	Chlorate	F	Fluoride	Ni	Nickel	Pb	Lead	THM Trihalomethanes
	Cd Cadmium	Cu	Copper	HAA	Haloacetic acids	NO3	Nitrate	Sb	Antimony	

#### Waitomo District

Zone Code	Distribution Zone	Population	Size	Туре	Chemical	As	F	НАА	NO3	Pb	ТСАА	тым	Other Chemical	Plumbosolvency
		280	Small	Local Authority	√ Chernical		<u> </u>	ПАА	NOS	10	ТСАА	111101	other enemical	Notified
	Benneydale			,		•	·	•	•	·	·	•	·	
	Mokau, Waitomo	200	Small	Local Authority	$\checkmark$	•	·	•	•	•	·	•		Notified
	Piopio	500	Small	Local Authority	$\checkmark$	•	·	•	•	•	·	•		Notified
	Taharoa Village	300	Small	Private Other	<b>√</b>	•	•	•	•	•	•	•	•	Notified
	Te Kuiti	4,612	Minor	Local Authority	<b>√</b>	•	·	•	•	•	•	•	•	Notified
WAI012WC	Waitomo Caves	500	Small	Private Other	$\checkmark$	·	·	•	•	•	•	•	•	Notified
Ruapehu Di	strict													
Zone Code	Distribution Zone	Population	Size	Туре	Chemical	As	F	HAA	NO3	Pb	TCAA	THM	Other Chemical	Plumbosolvency
NAT001NA	National Park	240	Small	Local Authority	$\checkmark$									Notified
OHA001OH	Ohakune Township	1,500	Minor	Local Authority	$\checkmark$									Notified
OHU001OH	Ohura	160	Small	Local Authority	$\checkmark$									Notified
OWH001OW	Owhango	200	Small	Local Authority	$\checkmark$									Notified
PIR001PI	Piriaka	120	Small	Communal	$\checkmark$									Notified
RAE001RA	Raetihi Township	749	Minor	Local Authority	х			×т			$\checkmark$		DCA×	Notified
TAU003TA	Taumarunui	4,870	Minor	Local Authority	$\checkmark$					$\checkmark$				Notified
WAI002WA	Waiouru Township	2,800	Minor	Government Oth	er ×			×			×		DCA×	Notified
WHA015WV	Whakapapa Village	200	Small	DOC	$\checkmark$									Notified
Western Ba	y of Plenty District													
Zone Code	Distribution Zone	Population	Size	Туре	Chemical	As	F	HAA	NO3	Pb	TCAA	THM	Other Chemical	Plumbosolvency
ATH003AT	Athenree	5,125	Medium	Local Authority	$\checkmark$									Notified
КАТООЗКА	Katikati	5,700	Medium	Local Authority	$\checkmark$									Notified
ОМО0030М	Omokoroa Minden	6,450	Medium	Local Authority	$\checkmark$									Notified
PON003PO	Pongakawa	4,600	Minor	Local Authority	$\checkmark$									Notified
TEP002TP	Te Puke	8,260	Medium	Local Authority	$\checkmark$									Notified
ТЕРО29ТВ	Te Puke Bush	200	Small	Local Authority	$\checkmark$	•								Notified
Tauranga Ci	ty													
-	Distribution Zone	Population	Size	Туре	Chemical	As	F	HAA	NO3	Pb	TCAA	THM	Other Chemical	Plumbosolvency
		52,000	Large	Local Authority	$\checkmark$									Notified
TAU004MP	Mt Maunganui - Papamoa	52,000	Laige	Local Authonity		•	•	•	•	•				

#### Whakatane District

Zone Code Distribution Zone	Population	Size	Туре	Chemical	As	F	HAA	NO3	Pb	TCAA	THM	Other Chemical	Plumbosolvency
MAT005MA Matata	690	Minor	Local Authority	$\checkmark$									Notified
MUR002MU Murupara	2,060	Minor	Local Authority	$\checkmark$									Notified
RAN007ED Edgecumbe	1,430	Minor	Local Authority	×	×т								Notified
RAN007PR Rangitaiki Plains Rural	2,486	Minor	Local Authority	×	×т								Notified
RAN007TE Te Teko	346	Small	Local Authority	×	×т								Notified
RUA003RU Ruatoki	560	Minor	Local Authority	$\checkmark$									Notified
RUA008RU Ruatahuna Village	300	Small	Private Other	$\checkmark$									Exempt
TAN001TA Taneatua	790	Minor	Local Authority	$\checkmark$									Notified
TEM004TE Te Mahoe	120	Small	Local Authority	$\checkmark$									Notified
WAI017WA Waimana	160	Small	Local Authority	$\checkmark$									Notified
WHA005OH Ohope	6,000	Medium	Local Authority	$\checkmark$		$\checkmark$							Notified
WHA005WH Whakatane	15,020	Large	Local Authority	$\checkmark$		$\checkmark$	•	•	•		•		Notified
Kawerau District													
Kawerau District Zone Code Distribution Zone	Population	Size	Туре	Chemical	As	F	HAA	NO3	Pb	TCAA	THM	Other Chemical	Plumbosolvency
	Population 6,921	Size Medium	Type Local Authority	Chemical ✓	As	F	HAA	NO3	Pb √	TCAA	THM	Other Chemical	Plumbosolvency Notified
Zone Code Distribution Zone	•				As	F	HAA · ·	NO3	-	TCAA		Other Chemical	,
Zone Code Distribution Zone KAW003KA Kawerau	6,921	Medium	Local Authority	$\checkmark$	As	F	HAA	NO3	✓	TCAA		Other Chemical	Notified
Zone Code Distribution Zone KAW003KA Kawerau KAW003UV Upper Valley Road Opotiki District	6,921	Medium	Local Authority	$\checkmark$	As As	F F	•	NO3 NO3	✓	TCAA · · TCAA	•	Other Chemical Other Chemical	Notified
Zone CodeDistribution ZoneKAW003KAKawerauKAW003UVUpper Valley RoadOpotiki DistrictZone CodeDistribution Zone	6,921 800	Medium Minor	Local Authority Local Authority	$\checkmark$	•	•	•	•	√ √	•	•		Notified Notified
Zone CodeDistribution ZoneKAW003KAKawerauKAW003UVUpper Valley RoadOpotiki DistrictZone CodeDistribution Zone	6,921 800 Population	Medium Minor Size	Local Authority Local Authority Type	✓ ✓ Chemical	•	•	•	•	√ √	•	•		Notified Notified Plumbosolvency
Zone Code Distribution Zone KAW003KA Kawerau KAW003UV Upper Valley Road Opotiki District Zone Code Distribution Zone KAI054KA Kaiaio Hapu	6,921 800 Population 160	Medium Minor Size Small	Local Authority Local Authority Type Marae	✓ ✓ Chemical	•	•	•	•	√ √	•	•		Notified Notified Plumbosolvency Exempt
Zone Code Distribution Zone KAW003KA Kawerau KAW003UV Upper Valley Road <b>Opotiki District</b> Zone Code Distribution Zone KAI054KA Kaiaio Hapu KUT003KU Kutarere OMA016OM Omaio	6,921 800 Population 160 300	Medium Minor Size Small Small	Local Authority Local Authority Type Marae Communal	✓ ✓ Chemical ✓	•	•	•	•	√ √	•	•		Notified Notified Plumbosolvency Exempt Exempt
Zone Code Distribution Zone KAW003KA Kawerau KAW003UV Upper Valley Road <b>Opotiki Distribution</b> Zone Zone Code Distribution Zone KAI054KA Kaiaio Hapu KUT003KU Kutarere OMA016OM Omaio OPO001HI Hikutaia, Opotiki	6,921 800 Population 160 300 180	Medium Minor Size Small Small Small	Local Authority Local Authority Type Marae Communal Private Other	✓ ✓ Chemical ✓ ✓ ✓	•	•	•	•	√ √	•	•		Notified Notified Plumbosolvency Exempt Exempt Exempt
Zone Code Distribution Zone KAW003KA Kawerau KAW003UV Upper Valley Road <b>Opotiki Distribution</b> Zone KAI054KA Kaiaio Hapu KUT003KU Kutarere OMA016OM Omaio OPO001HI Hikutaia, Opotiki OPO001OP Opotiki Town	6,921 800 Population 160 300 180 654	Medium Minor Size Small Small Small Minor	Local Authority Local Authority Type Marae Communal Private Other Local Authority	✓ ✓ Chemical ✓ ✓ ✓ ✓	•	•	•	•	√ √	•	•		Notified Notified Plumbosolvence Exempt Exempt Exempt Notified
Zone Code Distribution Zone KAW003KA Kawerau KAW003UV Upper Valley Road <b>Opotiki Distribution</b> Zone KAI054KA Kaiaio Hapu KUT003KU Kutarere OMA016OM Omaio OPO001HI Hikutaia, Opotiki OPO001OP Opotiki Town	6,921 800 Population 160 300 180 654 3,876	Medium Minor Size Small Small Small Minor Minor	Local Authority Local Authority Type Marae Communal Private Other Local Authority Local Authority	✓ ✓ Chemical ✓ ✓ ✓ ✓ ✓ ✓	•	•	•	•	√ √	•	•		Notified Notified Plumbosolvency Exempt Exempt Exempt Notified Notified

Chemicals	As Arsenic	CHBCl2	Bromodichloromethane	DCAA	Dichloroacetic acid	Mn	Manganese	NO	<ul> <li>Nitrate and nitrite</li> </ul>	TCAA	Trichloroacetic acid
Mini Key	B Boron	CIO3	Chlorate	F	Fluoride	Ni	Nickel	Pb	Lead	THM	Trihalomethanes
	Cd Cadmium	Cu	Copper	HAA	Haloacetic acids	NO3	Nitrate	Sb	Antimony		

#### **Rotorua District**

Zone Code Distribution Zone	Population	Size	Туре	Chemical	As	F	HAA	NO3	Pb	TCAA	THM	Other Chemical	Plumbosolvency
3RU005BR Brunswick 4	110	Small	Private Other	$\checkmark$									Notified
HAM003HA Hamurana	900	Minor	Local Authority	$\checkmark$									Notified
IAM003KA Kaharoa	800	Minor	Local Authority	$\checkmark$									Notified
Al009KA Kaingaroa	400	Small	Communal	×					×			Cu×	Notified
MAM001MA Mamaku Township	868	Minor	Local Authority	$\checkmark$									Notified
IGO001NG Ngongotaha Township	4,826	Minor	Local Authority	$\checkmark$									Notified
EP001RE Reporoa	1,060	Minor	Local Authority	$\checkmark$									Notified
OT001OK Okareka	730	Minor	Local Authority	$\checkmark$									Notified
OT001RE Rotorua Eastern Suburbs	9,600	Medium	Local Authority	$\checkmark$									Notified
OT002RO Rotoma	340	Small	Local Authority	$\checkmark$									Notified
OT003RO Rotorua City	42,500	Large	Local Authority	$\checkmark$									Notified
ROT004RO Rotoiti	880	Minor	Local Authority	$\checkmark$		•			•				Notified
Taupo District													
one Code Distribution Zone	Population	Size	Туре	Chemical	As	F	HAA	NO3	Pb	TCAA	THM	Other Chemical	Plumbosolvenc
CA001AC Acacia Bay	1,512	Minor	Local Authority	×	×т								Notified
CA001MA Mapara Road Rural	869	Minor	Local Authority	$\checkmark$	•								Notified
TI001AV Atiamuri Village	134	Small	Local Authority	$\checkmark$	•								Notified
ON001BO Bonshaw Park	152	Small	Local Authority	$\checkmark$	•								Notified
EN001RR Rakanui Road	200	Small	Local Authority	×	×т								Notified
AT001HV Hatepe Village	174	Small	Local Authority	×	×т								Notified
IN001KI Kinloch Town	1,604	Minor	Local Authority	×	×т								Notified
IN010KI Kinloch Park	140	Small	Private Other	$\checkmark$									Exempt
1AN002MA Mangakino	1,312	Minor	Local Authority	$\checkmark$									Notified
10T002MO Motuoapa	739	Minor	Local Authority	×	×т								Notified
MO0010M Omori / Kuratau / Pukawa	1,783	Minor	Local Authority	×	×т								Notified
IV003RI River Rd Reporoa	197	Small	Local Authority	$\checkmark$									Notified
AU001TC Taupo Central & West	17,105	Large	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$							Notified
AU001TS Taupo - Taupo South	6,396	Medium	Local Authority	$\checkmark$	•	$\checkmark$							Notified
R002SC Serenity Cove	137	Small	Local Authority	$\checkmark$									Exempt
R002TI Tirohanga	190	Small	Local Authority	$\checkmark$									Notified
UR001TO Tokaanu	360	Small	Local Authority	$\checkmark$		$\checkmark$							Notified
UR001TU Turangi	3,578	Minor	Local Authority	$\checkmark$		$\checkmark$							Notified
				,									Net:fied
VHA010WH Whareroa	313	Small	Local Authority	$\checkmark$						•			Notified

#### **Gisborne District**

Zone Code	Distribution Zone	Р	opulation	Size	Туре	Chemical	As	F	HAA	NO3	Pb	TCAA	THM	Other Chemical	Plumbosolvence
NI001MA	Mangahauini		130	Small	Communal	$\checkmark$									Exempt
GISO01GI	Gisborne City		29,600	Large	Local Authority	$\checkmark$		$\checkmark$							Notified
GISO01RU	Gisborne Rural		1,000	Minor	Local Authority	$\checkmark$		$\checkmark$						•	Notified
TEK002TE	Te Karaka		491	Small	Local Authority	$\checkmark$								•	Notified
TEP001TE	Te Puia Springs Hosp & V	Village	300	Small	Health	$\checkmark$	•								Exempt
WHA004WH	Whatatutu		200	Small	Local Authority	$\checkmark$				•			•		Notified
New Plymo	outh District														
Zone Code	Distribution Zone	Р	opulation	Size	Туре	Chemical	As	F	HAA	NO3	Pb	TCAA	THM	Other Chemical	Plumbosolvence
NG001IN	Inglewood		3,983	Minor	Local Authority	$\checkmark$									Notified
NEW002BE	Bell Block		4,820	Minor	Local Authority	$\checkmark$									Notified
NEW002LE	Lepperton		200	Small	Local Authority	$\checkmark$									Notified
NEW002NE	New Plymouth		45,420	Large	Local Authority	$\checkmark$									Notified
NEW002UR	Urenui/Tikorangi		1,030	Minor	Local Authority	$\checkmark$									Notified
NEW002WA	Waitara		7,602	Medium	Local Authority	$\checkmark$									Notified
DAK001OA	Oakura		1,625	Minor	Local Authority	$\checkmark$									Notified
OKA002OK	Okato		530	Minor	Local Authority	$\checkmark$									Notified
Stratford D	istrict														
Zone Code	Distribution Zone	Р	opulation	Size	Туре	Chemical	As	F	HAA	NO3	Pb	TCAA	THM	Other Chemical	Plumbosolvenc
VID001MI	Midhirst		200	Small	Local Authority	$\checkmark$									Notified
STR001ST	Stratford		6,773	Medium	Local Authority	$\checkmark$	•	$\checkmark$	•	•	•	•	•		Notified
South Tara	naki District														
Zone Code	Distribution Zone	Р	opulation	Size	Туре	Chemical	As	F	HAA	NO3	Pb	TCAA	THM	Other Chemical	Plumbosolvence
COL005PI	Pihama		350	Small	Private Other	$\checkmark$									Exempt
ELTO01EL	Eltham		1,980	Minor	Local Authority	$\checkmark$									Notified
HAW003HA	Hawera		8,550	Medium	Local Authority	$\checkmark$		$\checkmark$							Notified
HAW003NO	Normanby		850	Minor	Local Authority	$\checkmark$		$\checkmark$							Notified
HAW003OH	Ohawe Beach		210	Small	Local Authority	$\checkmark$		$\checkmark$							Notified
NA001IN	Inaha		495	Small	Local Authority	$\checkmark$									Notified
DPU001OP	Opunake		1,370	Minor	Local Authority	$\checkmark$									Notified
PAT001PA	Patea		1,150	Minor	Local Authority	$\checkmark$									Notified
1/110011/1	- decu		1,150	WINO	Local Additionary		·	·	·	·	·	·	·	•	Notified
Chemicals	As Arsenic C	HBCl2 Br	omodichloro	methane	DCAA Dichloroac	etic acid	Mn	Man	ganese		NOx I	Nitrate a	nd nitrit	e TCAA Trichlo	roacetic acid
Chemicals Mini Key		-	omodichloro Ilorate	methane	DCAA Dichloroac F Fluoride	etic acid	Mn Ni	Man Nicke	-		-	Nitrate a .ead	nd nitrit	e TCAA Trichlo THM Trihalo	

Distribution Zone	Population	Size	Туре	Chemical	As	F	HAA	NO3	Pb	TCAA	THM	Other Chemical	Plumbosolvency
Rahotu	115	Small	Local Authority	$\checkmark$									Notified
Kaponga	370	Small	Local Authority	$\checkmark$									Notified
Manaia	925	Minor	Local Authority	$\checkmark$									Notified
Waimate West Rural	1,585	Minor	Local Authority	$\checkmark$									Notified
Waverley	950	Minor	Local Authority	$\checkmark$					•			•	Notified
strict													
Distribution Zone	Population	Size	Туре	Chemical	As	F	HAA	NO3	Pb	TCAA	THM	Other Chemical	Plumbosolvency
Raupunga	250	Small		$\checkmark$									Exempt
1 0				$\checkmark$									Exempt
			,	$\checkmark$									Notified
Wairoa		Minor	,	$\checkmark$									Notified
	,												
1													
Distribution Zone	Population	Size	Туре	Chemical	As	F	HAA	NO3	Pb	TCAA	THM	Other Chemical	Plumbosolvency
Bayview Township	894	Minor	Local Authority	$\checkmark$									Notified
Napier City	25,800	Large	Local Authority	$\checkmark$									Notified
Taradale	24,110	Large	Local Authority	$\checkmark$									Notified
istrict													
Distribution Zone	Population	Size	Type	Chemical	As	F	НАА	NO3	Pb	ТСАА	тнм	Other Chemical	Plumbosolvency
	•												Notified
			,		•	•	•	•	•	•	•	•	Notified
Bridge Pa			,		•	•	•	•	•	•	•	•	Notified
						$\checkmark$							
-			•			$\checkmark$		•	·	•	•	·	
Hastings East	16,668	Large	Local Authority	$\checkmark$	•	✓	•				•	•	Notified
Hastings East Flaxmere	16,668 12,171	Large Large	Local Authority Local Authority	$\checkmark$					• • •		•		Notified Notified
Hastings East Flaxmere Havelock North	16,668 12,171 15,370	Large Large Large	Local Authority Local Authority Local Authority	$\checkmark$ $\checkmark$		√ √	• • •			• • •			Notified Notified Notified
Hastings East Flaxmere Havelock North Paki Paki	16,668 12,171 15,370 200	Large Large Large Small	Local Authority Local Authority Local Authority Local Authority	$\checkmark$		✓ ✓ ✓				• • •			Notified Notified Notified Notified
Hastings East Flaxmere Havelock North Paki Paki Hastings West & Central	16,668 12,171 15,370 200 20,055	Large Large Large Small Large	Local Authority Local Authority Local Authority Local Authority Local Authority	$\begin{array}{c} \checkmark\\ \checkmark\\ \checkmark\\ \checkmark\\ \checkmark\\ \checkmark\\ \checkmark\end{array}$	•	✓ ✓ ✓	• • • •	· · ·	• • • •	• • • •		· · ·	Notified Notified Notified Notified Notified
Hastings East Flaxmere Havelock North Paki Paki Hastings West & Central Haumoana / Te Awanga	16,668 12,171 15,370 200 20,055 1,900	Large Large Large Small Large Minor	Local Authority Local Authority Local Authority Local Authority Local Authority Local Authority	$\checkmark$	• • • • •	✓ ✓ ✓	• • • • •	· · · ·			· · ·		Notified Notified Notified Notified Notified Notified
Hastings East Flaxmere Havelock North Paki Paki Hastings West & Central Haumoana / Te Awanga 1 Omahu	16,668 12,171 15,370 200 20,055 1,900 126	Large Large Large Small Large Minor Small	Local Authority Local Authority Local Authority Local Authority Local Authority Local Authority Local Authority		• • • • • •	✓ ✓ ✓		· · · ·	· · · ·		· · · ·		Notified Notified Notified Notified Notified Notified Notified
Hastings East Flaxmere Havelock North Paki Paki Hastings West & Central Haumoana / Te Awanga 1 Omahu Parkhill Farm	16,668 12,171 15,370 200 20,055 1,900 126 288	Large Large Small Large Minor Small Small	Local Authority Local Authority Local Authority Local Authority Local Authority Local Authority Local Authority Local Authority		• • • • •	✓ ✓ ✓	· · · ·	· · · ·	· · · ·	· · · ·	· · · ·		Notified Notified Notified Notified Notified Notified Notified
Hastings East Flaxmere Havelock North Paki Paki Hastings West & Central Haumoana / Te Awanga 1 Omahu	16,668 12,171 15,370 200 20,055 1,900 126	Large Large Large Small Large Minor Small	Local Authority Local Authority Local Authority Local Authority Local Authority Local Authority Local Authority		· · · ·	✓ ✓ ✓	· · · ·	· · · ·		· · · ·	· · · · · · · · · · · · · · · · · · ·		Notified Notified Notified Notified Notified Notified Notified
	Rahotu Kaponga Manaia Waimate West Rural Waverley trict Distribution Zone Raupunga Tuai Frasertown Wairoa Distribution Zone Bayview Township Napier City Taradale strict Distribution Zone Allen Lane/Ferry Rd, Clive Valerie St/Tuckers Lane, Clive	Rahotu115Kaponga370Manaia925Waimate West Rural1,585Waverley950trictDistribution ZonePopulationRaupunga250Tuai300Frasertown350Wairoa4,300Distribution ZonePopulationBayview Township894Napier City25,800Taradale24,110strictDistribution ZonePopulationBayview Township894Napier City25,800Taradale24,110StrictPopulationAllen Lane/Ferry Rd, Clive198Valerie St/Tuckers Lane, Clive362	Rahotu115SmallKaponga370SmallManaia925MinorWaimate West Rural1,585MinorWaverley950MinortrictDistribution ZonePopulationSizeSmallRaupunga250SmallTuai300SmallFrasertown350SmallWairoa4,300MinorManor25,800LargeBayview Township894MinorNapier City25,800LargeTaradale24,110LargeStrictDistribution ZonePopulationSizeAllen Lane/Ferry Rd, Clive198Valerie St/Tuckers Lane, Clive362Small	Rahotu115SmallLocal AuthorityKaponga370SmallLocal AuthorityManaia925MinorLocal AuthorityWaimate West Rural1,585MinorLocal AuthorityWaverley950MinorLocal AuthoritytrictDistribution ZonePopulationSizeTypeRaupunga250SmallLocal AuthorityTuai300SmallLocal AuthorityFrasertown350SmallLocal AuthorityWairoa4,300MinorLocal AuthorityMairoa25,800LargeLocal AuthorityJistribution ZonePopulationSizeTypeBayview Township894MinorLocal AuthorityNapier City25,800LargeLocal AuthorityTaradale24,110LargeLocal AuthoritystrictDistribution ZonePopulationSizeTypeAllen Lane/Ferry Rd, Clive198SmallLocal AuthorityValerie St/Tuckers Lane, Clive362SmallLocal Authority	Rahotu115SmallLocal Authority✓Kaponga370SmallLocal Authority✓Manaia925MinorLocal Authority✓Waimate West Rural1,585MinorLocal Authority✓Waverley950MinorLocal Authority✓trictDistribution ZonePopulationSizeTypeChemicalRaupunga250SmallCommunal✓Tuai300SmallLocal Authority✓Frasertown350SmallLocal Authority✓Wairoa4,300MinorLocal Authority✓Distribution ZonePopulationSizeTypeChemicalBayview Township894MinorLocal Authority✓Mairea24,110LargeLocal Authority✓StrictImage24,110LargeLocal Authority✓Distribution ZonePopulationSizeTypeChemicalBayview Township894MinorLocal Authority✓StrictImageLocal Authority✓✓Distribution ZonePopulationSizeTypeChemicalAllen Lane/Ferry Rd, Clive198SmallLocal Authority✓Valerie St/Tuckers Lane, Clive362SmallLocal Authority✓	Rahotu115SmallLocal Authority✓.Kaponga370SmallLocal Authority✓.Manaia925MinorLocal Authority✓.Waimate West Rural1,585MinorLocal Authority✓.Waverley950MinorLocal Authority✓.Waverley950MinorLocal Authority✓.trictDistribution ZonePopulationSizeTypeChemicalAsRaupunga250SmallLocal Authority✓.Tuai300SmallLocal Authority✓.Frasertown350SmallLocal Authority✓.Wairoa4,300MinorLocal Authority✓.Distribution ZonePopulationSizeTypeChemicalAsBayview Township894MinorLocal Authority✓.Napier City25,800LargeLocal Authority✓.Taradale24,110LargeLocal Authority✓.StrictDistribution ZonePopulationSizeTypeChemicalAsAllen Lane/Ferry Rd, Clive198SmallLocal Authority✓.Valerie St/Tuckers Lane, Clive362SmallLocal Authority✓.	Rahotu115SmallLocal Authority✓Kaponga370SmallLocal Authority✓Manaia925MinorLocal Authority✓Waimate West Rural1,585MinorLocal Authority✓Waverley950MinorLocal Authority✓Waverley950MinorLocal Authority✓trictDistribution ZonePopulationSizeTypeChemicalAsFRaupunga250SmallCommunal✓Tuai300SmallLocal Authority✓Frasertown350SmallLocal Authority✓Wairoa4,300MinorLocal Authority✓Distribution ZonePopulationSizeTypeChemicalAsFBayview Township894MinorLocal Authority✓Napier City25,800LargeLocal Authority✓Taradale24,110LargeLocal Authority✓StrictDistribution ZonePopulationSizeTypeChemicalAsFAllen Lane/Ferry Rd, Clive198SmallLocal Authority✓ <td>Rahotu115SmallLocal Authority✓Kaponga370SmallLocal Authority✓Manaia925MinorLocal Authority✓Waimate West Rural1,585MinorLocal Authority✓Waverley950MinorLocal Authority✓Waverley950MinorLocal Authority✓Distribution ZonePopulationSizeTypeChemicalAsFHAARaupunga250SmallLocal Authority✓Tuai300SmallLocal Authority✓<t< td=""><td>Rahotu115SmallLocal Authority✓<td>Rahotu115SmallLocal Authority✓<td>Rahotu       115       Small       Local Authority       ✓       .</td><td>Rahotu       115       Small       Local Authority       ✓       .</td><td>Rahotu       115       Small       Local Authority       ✓       .</td></td></td></t<></td>	Rahotu115SmallLocal Authority✓Kaponga370SmallLocal Authority✓Manaia925MinorLocal Authority✓Waimate West Rural1,585MinorLocal Authority✓Waverley950MinorLocal Authority✓Waverley950MinorLocal Authority✓Distribution ZonePopulationSizeTypeChemicalAsFHAARaupunga250SmallLocal Authority✓Tuai300SmallLocal Authority✓ <t< td=""><td>Rahotu115SmallLocal Authority✓<td>Rahotu115SmallLocal Authority✓<td>Rahotu       115       Small       Local Authority       ✓       .</td><td>Rahotu       115       Small       Local Authority       ✓       .</td><td>Rahotu       115       Small       Local Authority       ✓       .</td></td></td></t<>	Rahotu115SmallLocal Authority✓ <td>Rahotu115SmallLocal Authority✓<td>Rahotu       115       Small       Local Authority       ✓       .</td><td>Rahotu       115       Small       Local Authority       ✓       .</td><td>Rahotu       115       Small       Local Authority       ✓       .</td></td>	Rahotu115SmallLocal Authority✓ <td>Rahotu       115       Small       Local Authority       ✓       .</td> <td>Rahotu       115       Small       Local Authority       ✓       .</td> <td>Rahotu       115       Small       Local Authority       ✓       .</td>	Rahotu       115       Small       Local Authority       ✓       .	Rahotu       115       Small       Local Authority       ✓       .	Rahotu       115       Small       Local Authority       ✓       .

#### Central Hawkes Bay District

Zone Code	Distribution Zone	Population	Size	Туре	Chemical	As	F	HAA	NO3	Pb	TCAA	THM	Other Chemical	Plumbosolvency
FAR001FA	Farm Road	120	Small	Communal	$\checkmark$									Exempt
POR003PT	Porangahau Township	130	Small	Local Authority	$\checkmark$									Notified
TAK001TA	Takapau Township	570	Minor	Local Authority	$\checkmark$								Mn√	Notified
VAI004HI	Waipukurau High Pressure Zon	e 3,000	Minor	Local Authority	$\checkmark$									Notified
VAI004LO	Waipukurau Low Pressure Zone	e 666	Minor	Local Authority	$\checkmark$									Notified
VAI005OT	Otane Township	546	Minor	Local Authority	$\checkmark$									Notified
WAI005WA	Waipawa Township	1,809	Minor	Local Authority	$\checkmark$	•								Notified
Chatham Is	slands													
one Code	Distribution Zone	Population	Size	Туре	Chemical	As	F	HAA	NO3	Pb	TCAA	THM	Other Chemical	Plumbosolvency
VAI158WA	Waitangi, Chatham Is.	125	Small	Local Authority	$\checkmark$		•						•	Exempt
Wanganui	District													
one Code	Distribution Zone	Population	Size	Туре	Chemical	As	F	HAA	NO3	Pb	TCAA	THM	Other Chemical	Plumbosolvency
RU001BR	Brunswick-Westmere	450	Small	Local Authority	$\checkmark$									Notified
OR001FO	Fordell Township	350	Small	Local Authority	$\checkmark$									Notified
AX001MA	Maxwell	200	Small	Local Authority	$\checkmark$									Notified
/OW001M0	O Mowhanau Beach	300	Small	Local Authority	$\checkmark$									Notified
VAN001AR	Aramoho	5,000	Minor	Local Authority	$\checkmark$									Notified
VAN001EA	Wanganui East	5,000	Minor	Local Authority	$\checkmark$									Notified
VAN001WA	Wanganui City	29,000	Large	Local Authority	$\checkmark$								•	Notified
Rangitikei I	District													
one Code	Distribution Zone	Population	Size	Туре	Chemical	As	F	HAA	NO3	Pb	TCAA	THM	Other Chemical	Plumbosolvency
UL001BU	Bulls Township	1,800	Minor	Local Authority	$\checkmark$					$\checkmark$			Cu√	Notified
IUN001HU	Hunterville Township	400	Small	Local Authority	$\checkmark$									Notified
/AN001MA	Mangaweka Township	180	Small	Local Authority	$\checkmark$									Notified
AR001MA	Marton Township	3,750	Minor	Local Authority	$\checkmark$							$\checkmark$	CHBCl2√	Notified
AT001RA	Ratana Township	450	Small	Local Authority	$\checkmark$									Notified
AI001TA	Taihape Township	2,200	Minor	Local Authority	$\checkmark$									Notified

C	Chemicals	As Arsenic	CHBCl2	Bromodichloromethane	DCAA	Dichloroacetic acid	Mn	Manganese	NO	x Nitrate and nitrite	TCAA Trichloroacetic acid	
ſ	Mini Key	B Boron	CIO3	Chlorate	F	Fluoride	Ni	Nickel	Pb	Lead	THM Trihalomethanes	
		Cd Cadmium	Cu	Copper	HAA	Haloacetic acids	NO3	Nitrate	Sb	Antimony		

#### Manawatu District

Zone Code	Distribution Zone	Population	Size	Туре	Chemical	As	F	HAA	NO3	Pb	TCAA	THM	Other Chemical	Plumbosolvency
FEI001FE	Feilding	13,000	Large	Local Authority	×		×							Notified
HAL001HA	Halcombe-Stanway	430	Small	Local Authority	$\checkmark$									Notified
HIM001HI	Himatangi Beach	438	Small	Local Authority	$\checkmark$									Notified
KIW003KI	Kimbolton	150	Small	Communal	$\checkmark$									Exempt
OHA002OH	Ohakea	800	Minor	Government Othe	r√									Notified
RON002RO	Rongotea	300	Small	Local Authority	$\checkmark$									Notified
SAN001SA	Sanson	492	Small	Local Authority	$\checkmark$									Notified
WAI022WA	Waituna West	200	Small	Local Authority	$\checkmark$				•		•			Notified
Palmerston	n North City													
Zone Code	Distribution Zone	Population	Size	Туре	Chemical	As	F	HAA	NO3	Pb	TCAA	THM	Other Chemical	Plumbosolvency
ASH001AS	Ashhurst	2,800	Minor	Local Authority	$\checkmark$		$\checkmark$							Notified
BUN001BU	Bunnythorpe	450	Small	Local Authority	$\checkmark$									Notified
LIN001LI	Linton	4,500	Minor	Government Othe	r √		$\checkmark$							Notified
LON001LO	Longburn	240	Small	Local Authority	$\checkmark$									Notified
LON002SC	Longburn Adventist College	300	Small	Education Public	$\checkmark$									Exempt
LON006BR	Longburn, Brandlines	150	Small	Private Other	$\checkmark$									Exempt
MAS001MA	Massey University	9,000	Medium	Private Other	$\checkmark$									Notified
PAL001AO	Aokautere	2,739	Minor	Local Authority	$\checkmark$		$\checkmark$							Notified
PAL001FW	Fitzherbert West	450	Small	Local Authority	$\checkmark$		$\checkmark$							Notified
PAL001KG	Kelvin Grove	5,784	Medium	Local Authority	$\checkmark$		$\checkmark$							Notified
PAL001PC	Palmerston North City	58,680	Large	Local Authority	$\checkmark$		$\checkmark$			•			•	Notified
Tararua Dis	strict													
Zone Code	Distribution Zone	Population	Size	Туре	Chemical	As	F	HAA	NO3	Pb	TCAA	THM	Other Chemical	Plumbosolvency
DAN001DA	Dannevirke	6,000	Medium	Local Authority	$\checkmark$									Notified
EKEO01EK	Eketahuna	456	Small	Local Authority	$\checkmark$									Notified
OR002NO	Norsewood	200	Small	Local Authority	$\checkmark$									Notified
PAH001PA	Pahiatua	2,700	Minor	Local Authority	$\checkmark$									Notified
PLE002PL	Pleckville	200	Small	Communal	$\checkmark$									Exempt
PON001PO	Pongaroa	200	Small	Communal	$\checkmark$									Notified
WOO001WO	) Woodville	1,500	Minor	Local Authority	$\checkmark$									Notified

#### Horowhenua District

Zone Code	Distribution Zone	Population	Size	Туре	Chemical	As	F	HAA	NO3	Pb	TCAA	THM	Other Chemical	Plumbosolvenc
FOX002FO	Foxton	2,700	Minor	Local Authority	$\checkmark$									Notified
FOX003FO	Foxton Beach	1,900	Minor	Local Authority	$\checkmark$									Notified
LEV001LE	Levin	20,000	Large	Local Authority	$\checkmark$									Notified
SHA001SH	Shannon	1,436	Minor	Local Authority	$\checkmark$			$\checkmark$			$\checkmark$		DCA√	Notified
ТОКОО2ТО	Tokomaru	550	Minor	Local Authority	×			×	•		×		DCA×	Notified
Kapiti Coas	st District													
Zone Code	Distribution Zone	Population	Size	Туре	Chemical	As	F	HAA	NO3	Pb	TCAA	тнм	Other Chemical	Plumbosolvenc
HAU003HA	Hautere	700	Minor	Local Authority	$\checkmark$									Notified
OTA003OT	Otaki	4,700	Minor	Local Authority	$\checkmark$									Notified
OTA003WA	Waitohu	1,000	Minor	Local Authority	$\checkmark$									Notified
PAE002PA	Paekakariki	1,665	Minor	Local Authority	$\checkmark$									Notified
WAI010PA	Paraparaumu/Raumati	25,200	Large	Local Authority	$\checkmark$		$\checkmark$							Notified
WAI010WA	Waikanae	10,600	Large	Local Authority	$\checkmark$		$\checkmark$	•	•		•			Notified
Upper Hut	t City													
Zone Code	Distribution Zone	Population	Size	Туре	Chemical	As	F	HAA	NO3	Pb	TCAA	THM	Other Chemical	Plumbosolvenc
UPP001PI	Pinehaven	3,090	Minor	Local Authority	$\checkmark$		$\checkmark$							Notified
UPP001UP	Upper Hutt Central	31,560	Large	Local Authority	$\checkmark$		$\checkmark$							Notified
The Hutt C	ity													
Zone Code	Distribution Zone	Population	Size	Туре	Chemical	As	F	HAA	NO3	Pb	TCAA	THM	Other Chemical	Plumbosolvenc
LOW001EA	Eastbourne	4,704	Minor	Local Authority	$\checkmark$		$\checkmark$							Notified
LOW001HA	Haywards	372	Small	Local Authority	$\checkmark$		$\checkmark$							Notified
LOW001LO	Lower Hutt	56,103	Large	Local Authority	$\checkmark$		$\checkmark$							Notified
LOW001PE	Petone	8,034	Medium	Local Authority	$\checkmark$		$\checkmark$							Notified
	<b>6</b> . 1	9,198	Medium	Local Authority	$\checkmark$		$\checkmark$							Notified
LOW001ST	Stokes Valley	9,198	Wiculum											

Chemicals	As Arsenic	CHBCl2	Bromodichloromethane	DCAA	Dichloroacetic acid	Mn	Manganese	NO>	Nitrate and nitrite	ТСАА	Trichloroacetic acid
Mini Key	B Boron	CIO3	Chlorate	F	Fluoride	Ni	Nickel	Pb	Lead	THM	Trihalomethanes
	Cd Cadmium	Cu	Copper	HAA	Haloacetic acids	NO3	Nitrate	Sb	Antimony		

#### Porirua City

Fornua City	Y													
Zone Code	Distribution Zone	Population	Size	Туре	Chemical	As	F	HAA	NO3	Pb	TCAA	THM	Other Chemical	Plumbosolvency
UD001JU	Judgeford	200	Small	Local Authority	$\checkmark$		$\checkmark$							Notified
POR001MA	Mana/Plimmerton/Paremata	5,184	Medium	Local Authority	$\checkmark$		$\checkmark$							Notified
POR001PH	Porirua High Level	15,398	Large	Local Authority	$\checkmark$		$\checkmark$							Notified
POR001PL	Porirua Low Level	16,924	Large	Local Authority	$\checkmark$		$\checkmark$							Notified
POR001PU	Pukerua Bay	1,656	Minor	Local Authority	$\checkmark$		$\checkmark$							Notified
POR001WH	Whitby	7,282	Medium	Local Authority	$\checkmark$		$\checkmark$							Notified
Wellington	City													
Zone Code	Distribution Zone	Population	Size	Туре	Chemical	As	F	HAA	NO3	Pb	TCAA	THM	Other Chemical	Plumbosolvency
WEL002BR	Brooklyn	9,765	Medium	Local Authority	$\checkmark$		$\checkmark$							Notified
WEL002CH	Churton	4,446	Minor	Local Authority	$\checkmark$		$\checkmark$							Notified
WEL002EA	Eastern Wellington	16,815	Large	Local Authority	$\checkmark$		$\checkmark$							Notified
NEL002JO	Johnsonville	18,357	Large	Local Authority	$\checkmark$		$\checkmark$							Notified
VEL002KA	Karori	13,146	Large	Local Authority	$\checkmark$		$\checkmark$							Notified
NELOO2KE	Kelburn	9,924	Medium	Local Authority	$\checkmark$		$\checkmark$							Notified
WEL002ON	Onslow	11,883	Large	Local Authority	$\checkmark$		$\checkmark$							Notified
VEL002SO	Southern Wellington	30,024	Large	Local Authority	$\checkmark$		$\checkmark$							Notified
WEL002TA	Tawa	12,903	Large	Local Authority	$\checkmark$		$\checkmark$							Notified
WEL002WA	Wadestown	6,789	Medium	Local Authority	$\checkmark$		$\checkmark$							Notified
WEL002WE	Wellington Central	31,074	Large	Local Authority	$\checkmark$	•	$\checkmark$	•				•	•	Notified
Masterton	District													
Zone Code	Distribution Zone	Population	Size	Туре	Chemical	As	F	HAA	NO3	Pb	TCAA	THM	Other Chemical	Plumbosolvency
ER001FE	Fernridge	320	Small	Communal	$\checkmark$									Exempt
MAS002MA	Masterton	19,000	Large	Local Authority	$\checkmark$		$\checkmark$							Notified
DPA001OP	Opaki	680	Minor	Communal	$\checkmark$									Notified
IN002TI	Tinui	120	Small	Local Authority	$\checkmark$									Notified
WAI058WA	Wainuioru Rural Water	184	Small	Communal	$\checkmark$			•	•		•	•		Notified
Carterton D	District													
Zone Code	Distribution Zone	Population	Size	Туре	Chemical	As	F	HAA	NO3	Pb	TCAA	THM	Other Chemical	Plumbosolvency
CAR001CA	Carterton	4,200	Minor	Local Authority	$\checkmark$									Notified
		.,==••				-	-	-	-		-	-		

South Wair	arapa District													
Zone Code	Distribution Zone	Population	Size	Туре	Chemical	As	F	HAA	NO3	Pb	TCAA	THM	Other Chemical	Plumbosolvency
FEA001FE	Featherston	2,580	Minor	Local Authority	х			х						Notified
GRE002GR	Greytown	1,952	Minor	Local Authority	$\checkmark$									Notified
MAR003MA	Martinborough	1,505	Minor	Local Authority	$\checkmark$									Notified
Nelson City	,													
Zone Code	Distribution Zone	Population	Size	Туре	Chemical	As	F	HAA	NO3	Pb	TCAA	THM	Other Chemical	Plumbosolvency
GLE013GL	Glenwood	150	Small	Communal	$\checkmark$									Exempt
NEL001NL	Nelson	49,740	Large	Local Authority	×			×т						Notified
Tasman Dis	strict													
Zone Code	Distribution Zone	Population	Size	Туре	Chemical	As	F	HAA	NO3	Pb	TCAA	THM	Other Chemical	Plumbosolvency
APP002AP	Appleby Hills	250	Small	Communal	$\checkmark$									Exempt
CEN002CT	Central Takaka	125	Small	Communal	$\checkmark$									Exempt
COL007CO	Collingwood	450	Small	Local Authority	$\checkmark$									Notified
DOV001DO	Dovedale Rural	450	Small	Local Authority	$\checkmark$									Notified
EIG001EI	Eighty Eight Valley Rural	200	Small	Local Authority	$\checkmark$									Notified
HOP001HO	Hope/Brightwater	2,730	Minor	Local Authority	$\checkmark$					$\checkmark$				Notified
KAI015KA	Kaiteriteri	300	Small	Local Authority	$\checkmark$									Notified
LAK013LA	Lake Rotoiti	200	Small	DOC	$\checkmark$									Exempt
LOW006LO	Lower Moutere Scheme 1	450	Small	Communal	$\checkmark$									Exempt
MAP003MR	Mapua Rise	192	Small	Local Authority	$\checkmark$									Exempt
MOT001MO	Motueka	1,200	Minor	Local Authority	$\checkmark$					$\checkmark$				Notified
MUR001MU	Murchison	490	Small	Local Authority	$\checkmark$									Notified
POH001PV	Pohara	150	Small	Local Authority	$\checkmark$									Notified
RED001R1	Redwood Valley 1	180	Small	Local Authority	$\checkmark$									Exempt
RED003R2	Redwood Valley 2	370	Small	Local Authority	$\checkmark$									Exempt
RIC002RI	Richmond	10,500	Large	Local Authority	$\checkmark$				$\checkmark$					Notified
RIC002WI	Waimea Industrial	1,800	Minor	Local Authority	$\checkmark$				$\checkmark$					Notified
TAP003TA	Tapawera	400	Small	Local Authority	$\checkmark$									Notified
WAI023MR	Mapua Ruby Bay	2,500	Minor	Local Authority	$\checkmark$					$\checkmark$				Notified
WAK001WA	Wakefield	1,500	Minor	Local Authority	$\checkmark$									Notified

Chemicals	As Arsenic	CHBCl2	Bromodichloromethane	DCAA	Dichloroacetic acid	Mn	Manganese	NOx	Nitrate and nitrite	ТСАА	Trichloroacetic acid
Vini Key	B Boron	CIO3	Chlorate	F	Fluoride	Ni	Nickel	Pb	Lead	THM	Trihalomethanes
	Cd Cadmium	Cu	Copper	HAA	Haloacetic acids	NO3	Nitrate	Sb	Antimony		

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#### Marlborough District

Zone Code	Distribution Zone	Population	Size	Туре	Chemical	As	F	HAA	NO3	Pb	TCAA	THM	Other Chemical	Plumbosolvency
BLE001BL	Blenheim	24,028	Large	Local Authority	$\checkmark$									Notified
HAV002HA	Havelock	618	Minor	Local Authority	$\checkmark$									Notified
PIC001PI	Picton/Waikawa	4,185	Minor	Local Authority	$\checkmark$									Notified
RAR001RA	Rarangi	160	Small	Communal	$\checkmark$									Exempt
REN001RE	Renwick	1,884	Minor	Local Authority	$\checkmark$									Notified
RIV002RI	Riverlands Industrial Estate	740	Minor	Local Authority	$\checkmark$									Notified
SED001DA	Dashwood Rural	333	Small	Local Authority	$\checkmark$									Notified
SED001SE	Seddon, Awatere Valley	1,000	Minor	Local Authority	х					×			Ni×	Notified
WAI034WA	Wairau Valley	160	Small	Local Authority	$\checkmark$									Notified
WAR003WA	Ward	250	Small	Communal	$\checkmark$									Exempt
WOO004WC	O Woodbourne RNZAF Base	1,500	Minor	Government Othe	er √		$\checkmark$							Х

#### **Buller District**

Zone Code	Distribution Zone	Population	Size	Туре	Chemical	As	F	HAA	NO3	Pb	TCAA	THM	Other Chemical	Plumbosolvency
HEC001HE	Hector	300	Small	Local Authority	$\checkmark$									Notified
HEC001NG	Ngakawau	135	Small	Local Authority	$\checkmark$									Notified
LIT003LI	Little Wanganui	150	Small	Local Authority	$\checkmark$									Notified
PUN001PU	Punakaiki	230	Small	Local Authority	$\checkmark$									Notified
REE001RE	Reefton	951	Minor	Local Authority	$\checkmark$					$\checkmark$			Sb√	Notified
WAI001WA	Waimangaroa	300	Small	Local Authority	$\checkmark$									Notified
WES001CA	Carters Beach	357	Small	Local Authority	$\checkmark$									Notified
WES001WE	Westport	4,617	Minor	Local Authority	$\checkmark$									Notified

Grey Distri	ct													
Zone Code	Distribution Zone	Population	Size	Туре	Chemical	As	F	HAA	NO3	Pb	TCAA	THM	Other Chemical	Plumbosolvency
BLA001BL	Blackball	280	Small	Local Authority	$\checkmark$									Notified
GRE001CO	Cobden	1,650	Minor	Local Authority	$\checkmark$									Notified
GRE001DO	Dobson	430	Small	Local Authority	$\checkmark$									Notified
GRE001GM	Greymouth	5,950	Medium	Local Authority	×			×т						Notified
GRE001TA	Taylorville	190	Small	Local Authority	$\checkmark$									Notified
RUN001RU	Runanga	1,190	Minor	Local Authority	$\checkmark$									Notified

#### Westland District

Zone Code	Distribution Zone	Population	Size	Туре	Chemical	As	F	HAA	NO3	Pb	TCAA	THM	Other Chemical	Plumbosolvenc
OX001FO	Fox Glacier	252	Small	Local Authority	$\checkmark$									Notified
RA001FR	Franz Josef	2,611	Minor	Local Authority	$\checkmark$									Notified
HAR001HA	Harihari	348	Small	Local Authority	$\checkmark$									Notified
HOK001HO	Hokitika	3,447	Minor	Local Authority	$\checkmark$			$\checkmark$					DCA√	Notified
KUM001KU	Kumara	318	Small	Local Authority	$\checkmark$				•					Notified
	Ross Township	291	Small	Local Authority	$\checkmark$				•					Notified
WHA002WH	Whataroa	405	Small	Local Authority	$\checkmark$	•	•	•	•	•	•	•		Notified
Kaikoura Di	strict													
Zone Code	Distribution Zone	Population	Size	Туре	Chemical	As	F	HAA	NO3	Pb	TCAA	THM	Other Chemical	Plumbosolvenc
FER003FE	Fernleigh Rural Water Supply	150	Small	Local Authority	$\checkmark$									Exempt
KAI004KU	Kaikoura Urban	2,500	Minor	Local Authority	$\checkmark$									Х
KAI021EA	Kaikoura East Coast Rural	150	Small	Local Authority	$\checkmark$									Exempt
KIN003KI	Kincaid Rural Water Supply	120	Small	Local Authority	$\checkmark$									Exempt
OAR001OA	Oaro	400	Small	Local Authority	$\checkmark$									Exempt
DCE002OC	Ocean Ridge	500	Small	Local Authority	$\checkmark$									Exempt
00200				,										
Hurunui Dis		Population	Size	Туре	Chemical	As	F	НАА	NO3	Pb	ТСАА	THM	Other Chemical	Plumbosolvenc
<b>Hurunui Dis</b> Zone Code	trict				Chemical ✓	As	F	HAA	NO3	Pb	TCAA	THM	Other Chemical	Plumbosolvenc Notified
<b>Hurunui Dis</b> Zone Code AMB001AT	t <b>rict</b> Distribution Zone	Population	Size	Туре		As	F	HAA	NO3	Pb	TCAA	THM	Other Chemical	
<b>Hurunui Dis</b> Zone Code AMB001AT AMB001BE	trict Distribution Zone Amberley Town	Population 1,578 343	Size Minor	Type Local Authority	$\checkmark$	As	F	HAA	NO3	Pb	TCAA	THM	Other Chemical	Notified
Hurunui Dis Zone Code AMB001AT AMB001BE AMU001RO	trict Distribution Zone Amberley Town Amberley Beach	Population 1,578 343	Size Minor Small	Type Local Authority Local Authority	$\checkmark$	As	F	HAA	NO3	Pb	TCAA	THM	Other Chemical	Notified Notified
Hurunui Dis Zone Code AMB001AT AMB001BE AMU001RO ASH002AS	trict Distribution Zone Amberley Town Amberley Beach Rotherham Township and Rura	Population 1,578 343 al 699	Size Minor Small Minor	Type Local Authority Local Authority Local Authority	$\checkmark$	As	F	HAA	NO3	Pb	TCAA	THM - - - - -	Other Chemical	Notified Notified Notified
Hurunui Dis Zone Code AMB001AT AMB001BE AMU001RO ASH002AS ASH002LB	trict Distribution Zone Amberley Town Amberley Beach Rotherham Township and Rura Ashley/Sefton/Loburn	Population 1,578 343 al 699 4,527	Size Minor Small Minor Minor	Type Local Authority Local Authority Local Authority Local Authority	$\checkmark$	As	F	HAA - - - - - - - - -	NO3	Pb	TCAA	THM - - - - - - -	Other Chemical	Notified Notified Notified Notified
Hurunui Dis Zone Code AMB001AT AMB001BE AMU001RO ASH002AS ASH002LB ASH002LE	trict Distribution Zone Amberley Town Amberley Beach Rotherham Township and Rura Ashley/Sefton/Loburn Leithfield Beach	Population 1,578 343 al 699 4,527 402	Size Minor Small Minor Minor Small	Type Local Authority Local Authority Local Authority Local Authority Local Authority	$\begin{array}{c} \checkmark \\ \checkmark \\ \checkmark \\ \checkmark \\ \checkmark \\ \checkmark \end{array}$	As	F	HAA	NO3	Pb	TCAA	THM	Other Chemical	Notified Notified Notified Notified Notified
Hurunui Dis Zone Code AMB001AT AMB001BE AMU001RO ASH002AS ASH002LB ASH002LE BAL003BA	trict Distribution Zone Amberley Town Amberley Beach Rotherham Township and Rura Ashley/Sefton/Loburn Leithfield Beach Leithfield	Population 1,578 343 al 699 4,527 402 903	Size Minor Small Minor Minor Small Minor	Type Local Authority Local Authority Local Authority Local Authority Local Authority Local Authority		As	F	HAA	NO3	Pb	TCAA	THM - - - - - - - - - -	Other Chemical	Notified Notified Notified Notified Notified Notified
Hurunui Dis Zone Code AMB001AT AMB001BE AMU001RO ASH002AS ASH002LB ASH002LE BAL003BA BRO016BR	trict Distribution Zone Amberley Town Amberley Beach Rotherham Township and Rura Ashley/Sefton/Loburn Leithfield Beach Leithfield Balmoral Rural	Population 1,578 343 al 699 4,527 402 903 273	Size Minor Small Minor Minor Small Minor Small	Type Local Authority Local Authority Local Authority Local Authority Local Authority Local Authority Local Authority		As	F	HAA - - - - - - - - - - - - - - - - - -	NO3	Pb	TCAA	THM - - - - - - - - - - - - - -	Other Chemical	Notified Notified Notified Notified Notified Notified Notified
Hurunui Dis Zone Code AMB001AT AMB001BE AMU001RO ASH002AS ASH002LB ASH002LE BAL003BA BRO016BR CHE001CT	trict Distribution Zone Amberley Town Amberley Beach Rotherham Township and Rura Ashley/Sefton/Loburn Leithfield Beach Leithfield Balmoral Rural Broomfield	Population 1,578 343 al 699 4,527 402 903 273 565	Size Minor Small Minor Small Minor Small Minor	Type Local Authority Local Authority Local Authority Local Authority Local Authority Local Authority Local Authority Local Authority		As	F	HAA	NO3	Pb	TCAA	THM - - - - - - - - - - - - - - - - - - -	Other Chemical	Notified Notified Notified Notified Notified Notified Notified
Hurunui Dis Zone Code AMB001AT AMB001BE AMU001RO ASH002AS ASH002LB ASH002LE BAL003BA BRO016BR CHE001CT CUL001CU	trict Distribution Zone Amberley Town Amberley Beach Rotherham Township and Rura Ashley/Sefton/Loburn Leithfield Beach Leithfield Balmoral Rural Broomfield Cheviot Town	Population 1,578 343 al 699 4,527 402 903 273 565 795	Size Minor Small Minor Minor Small Minor Small Minor Minor	Type Local Authority Local Authority Local Authority Local Authority Local Authority Local Authority Local Authority Local Authority Local Authority		As	F	HAA	NO3	Pb	TCAA	THM - - - - - - - - - - - - - - - - - - -	Other Chemical	Notified Notified Notified Notified Notified Notified Notified Notified
Hurunui Dis Zone Code AMB001AT AMB001BE AMU001RO ASH002AS ASH002LB ASH002LB BAL003BA BRO016BR CHE001CT CUL001CU HAN001HA	trict Distribution Zone Amberley Town Amberley Beach Rotherham Township and Rura Ashley/Sefton/Loburn Leithfield Beach Leithfield Balmoral Rural Broomfield Cheviot Town Culverden	Population 1,578 343 al 699 4,527 402 903 273 565 795 366	Size Minor Small Minor Small Minor Small Minor Minor Small	Type Local Authority Local Authority Local Authority Local Authority Local Authority Local Authority Local Authority Local Authority Local Authority		As	F	HAA - - - - - - - - - - - - - - - - - -	NO3	Pb	TCAA	THM - - - - - - - - - - - - - - - - - - -	Other Chemical	Notified Notified Notified Notified Notified Notified Notified Notified Notified
Hurunui Dis Zone Code AMB001AT AMB001BE AMU001RO ASH002AS ASH002LB ASH002LE BAL003BA BRO016BR CHE001CT CUL001CU HAN001HA	trict Distribution Zone Amberley Town Amberley Beach Rotherham Township and Rura Ashley/Sefton/Loburn Leithfield Beach Leithfield Balmoral Rural Broomfield Cheviot Town Culverden Hanmer Town	Population 1,578 343 al 699 4,527 402 903 273 565 795 366 948	Size Minor Small Minor Small Minor Small Minor Small Minor Small Minor	Type Local Authority Local Authority		As	F	HAA - - - - - - - - - - - - - - - - - -	NO3	Pb - - - - - - - - - - - - - - - - - - -	TCAA	THM - - - - - - - - - - - - - - - - - - -	Other Chemical	Notified Notified Notified Notified Notified Notified Notified Notified Notified

Chemicals	As Arsenic	CHBCI2	Bromodichloromethane	DCAA	Dichloroacetic acid	Mn	Manganese	NO>	Nitrate and nitrite	тсаа	Trichloroacetic acid
Mini Key	B Boron	CIO3	Chlorate	F	Fluoride	Ni	Nickel	Pb	Lead	THM	Trihalomethanes
	Cd Cadmium	Cu	Copper	HAA	Haloacetic acids	NO3	Nitrate	Sb	Antimony		

Zone Code	Distribution Zone	Population	Size	Туре	Chemical	As	F	HAA	NO3	Pb	TCAA	THM	Other Chemical	Plumbosolvency
MOT016MO	Motunau, Greta, Scargill	681	Minor	Local Authority	$\checkmark$									Notified
PAR009PA	Parnassus Rural	210	Small	Local Authority	$\checkmark$									Notified
WAI026WT	Waiau Township	255	Small	Local Authority	$\checkmark$									Notified
WAI066UP	Waitohi Upper, Waipara	513	Minor	Local Authority	$\checkmark$									Notified
WAI067WA	Waiau Rural	435	Small	Local Authority	$\checkmark$									Notified
WAI068WA	Waipara Township	285	Small	Local Authority	$\checkmark$									Notified

#### Waimakariri District

Zone Code	Distribution Zone	Population	Size	Туре	Chemical	As	F	HAA	NO3	Pb	TCAA	THM	Other Chemical	Plumbosolvency
CUS001CU	Cust	343	Small	Local Authority	$\checkmark$									Notified
FER002FE	Fernside	210	Small	Local Authority	$\checkmark$									Notified
GAR001GA	Garrymere	105	Small	Local Authority	$\checkmark$									Notified
KAI003KA	Каіароі	12,168	Large	Local Authority	$\checkmark$								•	Notified
MAN009MA	Mandeville	2,023	Minor	Local Authority	$\checkmark$									Notified
OHO0010H	Ohoka	218	Small	Local Authority	$\checkmark$									Notified
OXF101OX	Oxford Rural No1	775	Minor	Local Authority	$\checkmark$									Notified
OXF102OR	Oxford Rural No2	773	Minor	Local Authority	$\checkmark$									Notified
OXF103OX	Oxford Urban	2,173	Minor	Local Authority	$\checkmark$									Notified
PEG001PE	Pegasus	4,005	Minor	Local Authority	$\checkmark$									Notified
POY001PO	Poyntz Road	205	Small	Local Authority	$\checkmark$				$\checkmark$					Notified
RAN001RA	Rangiora	17,130	Large	Local Authority	$\checkmark$									Notified
WAI011KI	Waikuku Beach	1,150	Minor	Local Authority	$\checkmark$									Notified
WES004SU	Summerhill	428	Small	Local Authority	$\checkmark$									Notified
WES004WE	West Eyreton	168	Small	Local Authority	$\checkmark$									Notified
W00002WC	)Woodend Town	2,678	Minor	Local Authority	$\checkmark$									Notified

#### **Christchurch City**

Zone Code	Distribution Zone	Population	Size	Туре	Chemical	As	F	HAA	NO3	Pb	TCAA	THM	Other Chemical	Plumbosolvency
AKA001AK	Akaroa	1,350	Minor	Local Authority	$\checkmark$									Notified
BIR001BI	Birdlings Flat	150	Small	Local Authority	$\checkmark$									Notified
BRO012BR	Brooklands / Kainga	1,600	Minor	Local Authority	$\checkmark$									Notified
CHR001CE	Central Christchurch	185,000	Large	Local Authority	$\checkmark$								•	Notified
CHR001PA	Parklands	16,000	Large	Local Authority	$\checkmark$									Notified
CHR001RI	Riccarton	10,000	Medium	Local Authority	$\checkmark$									Notified
CHR001RP	Rocky Point	2,500	Minor	Local Authority	$\checkmark$									Notified
CHR001WE	West Christchurch	42,000	Large	Local Authority	$\checkmark$									Notified
CHR002CI	Christchurch Int. Airport	6,000	Medium	Private Other	$\checkmark$									Х
DUV001DU	Duvauchelle	250	Small	Local Authority	$\checkmark$									Notified
LIT001LI	Little River	240	Small	Local Authority	$\checkmark$									Notified

Zone Code	Distribution Zone	Population	Size	Туре	Chemical	As	F	HAA	NO3	Pb	TCAA	THM	Other Chemical	Plumbosolvency
LYT001DI	Diamond Harbour	1,200	Minor	Local Authority	$\checkmark$									Notified
LYT001GO	Governors Bay	750	Minor	Local Authority	$\checkmark$									Notified
LYT001LY	Lyttelton	2,500	Minor	Local Authority	$\checkmark$									Notified
NOR012CH	Northwest Christchurch	80,000	Large	Local Authority	$\checkmark$									Notified
OKA010OK	Okains Bay	105	Small	Communal	$\checkmark$									Exempt
TAK002TA	Takamatua	150	Small	Local Authority	$\checkmark$									Notified
WAI138WA	Wainui	200	Small	Local Authority	$\checkmark$									Notified
WAT006WB	Waterloo Business Pk, Stage 1	400	Small	Private Other	$\checkmark$									Exempt

#### Selwyn District

Zone Code	Distribution Zone	Population	Size	Туре	Chemical	As	F	HAA	NO3	Pb	TCAA	THM	Other Chemical	Plumbosolvency
ART002AR	Arthurs Pass	350	Small	Local Authority	$\checkmark$									Notified
BUR001BU	Burnham Camp	2,000	Minor	Government Othe	r √		$\checkmark$		$\checkmark$					Notified
CAS003CA	Castle Hill	299	Small	Local Authority	$\checkmark$									Notified
CLA005CL	Claremont	170	Small	Local Authority	$\checkmark$									Notified
DAR001DA	Darfield	3,520	Minor	Local Authority	$\checkmark$				$\checkmark$				MAVNOx√	Notified
DUN008DU	Dunsandel & Sherwood Estate	480	Small	Local Authority	$\checkmark$				$\checkmark$					Notified
EDE002ED	Edendale, Sandy Knolls	180	Small	Local Authority	$\checkmark$				$\checkmark$					Notified
JOH001JO	Johnson Rd, West Melton	160	Small	Local Authority	$\checkmark$									Notified
KIR001KI	Kirwee	1,207	Minor	Local Authority	$\checkmark$									Notified
LAK007LA	Lake Coleridge	148	Small	Local Authority	$\checkmark$									Notified
LEE001LE	Leeston	2,350	Minor	Local Authority	$\checkmark$	•								Notified
LIN002LI	Lincoln	5,400	Medium	Local Authority	$\checkmark$	•								Notified
MAL001DA	Dalethorpe	183	Small	Local Authority	$\checkmark$	•								Notified
MAL001MA	Malvern Hills, Hartleys Rd	1,409	Minor	Local Authority	$\checkmark$	•								Notified
PRE001PR	Prebbleton	3,906	Minor	Local Authority	$\checkmark$	•								Notified
RAK003RA	Rakaia Huts	313	Small	Local Authority	$\checkmark$	•								Notified
ROL001RO	Rolleston	15,047	Large	Local Authority	$\checkmark$	•								Notified
SEL001AC	Acheron	240	Small	Local Authority	$\checkmark$	•								Notified
SEL001HO	Hororata	920	Minor	Local Authority	$\checkmark$	•								Notified
SHE004SH	Sheffield/Waddington	585	Minor	Local Authority	$\checkmark$	•								Notified
SOU001SO	Southbridge	992	Minor	Local Authority	$\checkmark$									Notified
SPR002SP	Springfield	520	Minor	Local Authority	$\checkmark$	•								Notified
SPR003SP	Springston	510	Minor	Local Authority	$\checkmark$									Notified

Chemicals	As Arsenic	CHBCl2	Bromodichloromethane	DCAA	Dichloroacetic acid	Mn	Manganese	NO	Nitrate and nitrite	TCAA Trichloroacetic acid
Mini Key	B Boron	CIO3	Chlorate	F	Fluoride	Ni	Nickel	Pb	Lead	THM Trihalomethanes
	Cd Cadmium	Cu	Copper	HAA	Haloacetic acids	NO3	Nitrate	Sb	Antimony	

Zone Code	Distribution Zone	Population	Size	Туре	Chemical	As	F	HAA	NO3	Pb	TCAA	THM	Other Chemical	Plumbosolvency
TAI009TA	Таі Тари	606	Minor	Local Authority	$\checkmark$									Notified
WES010WE	West Melton	1,800	Minor	Local Authority	$\checkmark$	•			•		•	•		Notified

#### Ashburton District

Zone Code	Distribution Zone	Population	Size	Туре	Chemical	As	F	HAA	NO3	Pb	TCAA	THM	Other Chemical	Plumbosolvency
ASH003AS	Ashburton	18,500	Large	Local Authority	$\checkmark$				$\checkmark$					Notified
CHE002CH	Chertsey	230	Small	Local Authority	$\checkmark$									Notified
FAI001FA	Fairton	210	Small	Local Authority	$\checkmark$				$\checkmark$					Notified
HAK001HH	Hakatere Upper	110	Small	Local Authority	$\checkmark$									Notified
HIG002HI	Highbank Society Water Supply	, 220	Small	Communal	$\checkmark$									Exempt
HIN001HI	Hinds	340	Small	Local Authority	$\checkmark$				$\checkmark$					Notified
LYN002LY	Lyndhurst	250	Small	Private Other	$\checkmark$									Exempt
MAY001MA	Mayfield	160	Small	Local Authority	$\checkmark$									Notified
MET001ME	Methven	1,700	Minor	Local Authority	$\checkmark$		$\checkmark$							Notified
MET002MS	Methven/Springfield	178	Small	Local Authority	$\checkmark$									Notified
MTS001MS	Mt Somers Township	260	Small	Local Authority	$\checkmark$									Notified
RAK001RA	Rakaia Township	1,100	Minor	Local Authority	$\checkmark$									Notified

#### **Timaru District**

Zone Code	Distribution Zone	Population	Size	Туре	Chemical	As	F	HAA	NO3	Pb	TCAA	THM	Other Chemical	Plumbosolvency
ARO002AO	Arowhenua	215	Small	Private Other	$\checkmark$									Exempt
DOW001ST	Sutherlands/Taiko	3,500	Minor	Local Authority	$\checkmark$									Notified
DOW001WR	R Waimate Rural	350	Small	Local Authority	$\checkmark$									Notified
DOW001WT	Waitohi/Totara Valley	700	Minor	Local Authority	$\checkmark$									Notified
GER001GE	Geraldine	2,121	Minor	Local Authority	$\checkmark$									Notified
HAD001HA	Hadlow	312	Small	Local Authority	$\checkmark$									Notified
PAR002PA	Pareora	450	Small	Local Authority	$\checkmark$									Notified
PEE001PF	Peel Forest	130	Small	Local Authority	$\checkmark$									Notified
PLE001PP	Pleasant Point	1,200	Minor	Local Authority	$\checkmark$									Notified
SEA001SE	Seadown	750	Minor	Local Authority	$\checkmark$									Notified
STA004ST	St Andrews	280	Small	Local Authority	$\checkmark$									Notified
TEM001OR	Orari	180	Small	Local Authority	$\checkmark$									Notified
TEM001TE	Temuka	3,984	Minor	Local Authority	$\checkmark$									Notified
TEM001WI	Winchester	260	Small	Local Authority	$\checkmark$									Notified
TEM002GD	Geraldine Downs	450	Small	Local Authority	$\checkmark$									Notified
TEM002GF	Geraldine Flat	200	Small	Local Authority	$\checkmark$									Notified
TEM002TE	Te Moana	1,000	Minor	Local Authority	$\checkmark$									Notified
TIM001GL	Gleniti	3,400	Minor	Local Authority	$\checkmark$									Notified
TIM001TI	Timaru	23,432	Large	Local Authority	$\checkmark$									Notified

#### **Mackenzie District**

	Distribution Zone	Population	Size	Туре	Chemical	As	F	HAA	NO3	Pb	TCAA	THM	Other Chemical	Plumbosolvency
ALB001AL	Albury Rural	125	Small	Communal	$\checkmark$						•			Notified
ALLO01AL	Allandale	150	Small	Local Authority	$\checkmark$						•			Notified
FAI002FA	Fairlie	850	Minor	Local Authority	$\checkmark$									Notified
FAI002KI	Kimbell	150	Small	Local Authority	$\checkmark$									Notified
MTC001MT	Mt Cook	350	Small	DOC	$\checkmark$									Notified
TEK005TE	Tekapo	500	Small	Local Authority	$\checkmark$									Notified
TWI001TW	Twizel	1,300	Minor	Local Authority	×	•	•			Х		•	Cu×	Notified
Waimate D	District													
Zone Code	Distribution Zone	Population	Size	Туре	Chemical	As	F	HAA	NO3	Pb	TCAA	THM	Other Chemical	Plumbosolvency
CAN001CM	Cannington/Motukaika	120	Small	Local Authority	$\checkmark$									Notified
AK002HA	Hakataramea	165	Small	Communal	$\checkmark$									Exempt
100001HW	/ Hook/Waituna	1,350	Minor	Local Authority	$\checkmark$									Notified
OW002LO	Lower Waihao	600	Minor	Local Authority	$\checkmark$									Notified
DTA005OM	Otaio/Makikihi	430	Small	Local Authority	$\checkmark$									Notified
VAI031WA	Waihaorunga	141	Small	Local Authority	$\checkmark$									Notified
VAI032WA	Waikakahi	360	Small	Local Authority	$\checkmark$									Notified
VAI033WA	Waimate	3,000	Minor	Local Authority	$\checkmark$	•		•	•		•	•		Notified
Waitaki Dis	strict													
one Code	Distribution Zone	Population	Size	Туре	Chemical	As	F	HAA	NO3	Pb	TCAA	THM	Other Chemical	Plumbosolvency
		•												Notified
	/ Awamoko	399	Small	Local Authority	$\checkmark$				•	•	•	•	•	Notifieu
WA001AW		399 237	Small Small	Local Authority Local Authority	$\checkmark$			•	•	•	•		·	Notified
WA001AW IAM002HA	Hampden			,								•	· ·	
WA001AW IAM002HA IAM002MO	Hampden	237	Small	, Local Authority	$\checkmark$				• • •		• • •		· · ·	Notified
WA001AW IAM002HA IAM002MO IER001HE	Hampden D Moeraki	237 264	Small Small	Local Authority Local Authority	$\checkmark$			• • •			· · ·	• • • •		Notified Notified
WA001AW IAM002HA IAM002MO IER001HE IAU001KA	Hampden 9 Moeraki Herbert	237 264 670	Small Small Minor	Local Authority Local Authority Local Authority	$\checkmark$			• • • •	• • • •		• • • •		· · ·	Notified Notified Notified
WA001AW IAM002HA IAM002MO IER001HE GU001KA CUR001KU	Hampden D Moeraki Herbert Kauru Hill	237 264 670 197	Small Small Minor Small	Local Authority Local Authority Local Authority Local Authority	$\checkmark$			• • • • •	· · · ·	• • • • •		· · · ·		Notified Notified Notified Notified
WA001AW IAM002HA IAM002MO IER001HE AU001KA UR001KU OW004LO	Hampden D Moeraki Herbert Kauru Hill Kurow Township Lower Waitaki	237 264 670 197 330	Small Small Minor Small Small	Local Authority Local Authority Local Authority Local Authority Local Authority	$\begin{array}{c} \checkmark \\ \checkmark \\ \checkmark \\ \checkmark \\ \checkmark \\ \checkmark \end{array}$			• • • • •	· · · · ·			· · · ·	· · · ·	Notified Notified Notified Notified Notified
WA001AW IAM002HA IAM002MO IER001HE AU001KA UR001KU OW004LO IAH001MA	Hampden O Moeraki Herbert Kauru Hill Kurow Township Lower Waitaki Maheno	237 264 670 197 330 778	Small Small Minor Small Small Minor	Local Authority Local Authority Local Authority Local Authority Local Authority Local Authority				• • • • • •	· · · · · · ·	· · · ·	· · · ·	· · · ·		Notified Notified Notified Notified Notified Notified
AWA001AW IAM002HA IAM002MO IER001HE KAU001KA CUR001KU OW004LO MAH001MA DAM001AR	Hampden O Moeraki Herbert Kauru Hill Kurow Township Lower Waitaki Maheno	237 264 670 197 330 778 152	Small Small Minor Small Small Minor Small	Local Authority Local Authority Local Authority Local Authority Local Authority Local Authority Communal		· · · · ·		· · · ·	· · · · ·	· · · ·	· · · ·	· · · · ·		Notified Notified Notified Notified Notified Exempt
	Hampden O Moeraki Herbert Kauru Hill Kurow Township Lower Waitaki Maheno Oamaru, Ardgowan	237 264 670 197 330 778 152 252	Small Small Minor Small Small Minor Small Small	Local Authority Local Authority Local Authority Local Authority Local Authority Local Authority Communal Local Authority		· · · · ·		· · · ·	· · · · · ·	· · · · ·	· · · ·	· · · · · · · · · · · · · · · · · · ·		Notified Notified Notified Notified Notified Exempt Notified

Chemicals	As Arsenic	CHBCI2	Bromodichloromethane	DCAA	Dichloroacetic acid	Mn	Manganese	NO	Nitrate and nitrite	TCAA	Trichloroacetic acid
Mini Key	B Boron	CIO3	Chlorate	F	Fluoride	Ni	Nickel	Pb	Lead	THM	Trihalomethanes
	Cd Cadmium	Cu	Copper	HAA	Haloacetic acids	NO3	Nitrate	Sb	Antimony		

Zone Code	Distribution Zone	Population	Size	Туре	Chemical	As	F	HAA	NO3	Pb	TCAA	THM	Other Chemical	Plumbosolvency
OAM001RR	Oamaru, Reservoir Road	768	Minor	Local Authority	$\checkmark$									Notified
OAM001SH	Oamaru, South Hill	3,933	Minor	Local Authority	$\checkmark$									Notified
OAM001WE	Oamaru, Weston - Enfield	2,061	Minor	Local Authority	$\checkmark$									Notified
OMA0010M	Omarama Town	270	Small	Local Authority	$\checkmark$									Notified
OTE001OT	Otematata Hydro Village	195	Small	Local Authority	$\checkmark$									Notified
TOK003TL	Tokarahi/Livingstone	573	Minor	Local Authority	$\checkmark$									Notified
WAI215DU	Waihemo, Dunback Rural	229	Small	Local Authority	$\checkmark$									Notified
WAI215GO	Waihemo, Goodwood Rural	270	Small	Local Authority	$\checkmark$									Notified
WAI215PA	Waihemo, Palmerston Town	858	Minor	Local Authority	$\checkmark$									Notified
WIN004WI	Windsor	137	Small	Local Authority	$\checkmark$									Notified

#### **Central Otago District**

Zone Code	Distribution Zone	Population	Size	Туре	Chemical	As	F	HAA	NO3	Pb	TCAA	THM	Other Chemical	Plumbosolvency
ALE001AL	Alexandra	5,000	Minor	Local Authority	$\checkmark$								•	Notified
ALE002BE	Bennys	104	Small	Communal	$\checkmark$									Exempt
CLY001CL	Clyde Township	1,000	Minor	Local Authority	$\checkmark$									Notified
CRO001BA	Bannockburn	400	Small	Local Authority	$\checkmark$								•	Notified
CRO001CR	Cromwell	4,000	Minor	Local Authority	$\checkmark$								•	Notified
EAR002EA	Earnscleugh Water Scheme	120	Small	Private Other	$\checkmark$									Exempt
LAS003LA	Last Chance	120	Small	Communal	$\checkmark$									Notified
MIL006MI	Millers Flat	210	Small	Communal	$\checkmark$									Exempt
NAS001NA	Naseby	150	Small	Local Authority	$\checkmark$	•								Notified
OMA005OM	1 Omakau	350	Small	Local Authority	$\checkmark$									Notified
PAT003PA	Patearoa	260	Small	Local Authority	$\checkmark$									Notified
PIS001PI	Pisa Moorings	157	Small	Private Other	$\checkmark$									Exempt
PIS002PI	Pisa Village	250	Small	Local Authority	$\checkmark$									Notified
RAN002RA	Ranfurly	750	Minor	Local Authority	$\checkmark$								•	Notified
ROX001RO	Roxburgh	700	Minor	Local Authority	$\checkmark$	•						•		Notified

#### **Dunedin City**

Zone Code	Distribution Zone	Population	Size	Туре	Chemical	As	F	HAA	NO3	Pb	TCAA	THM	Other Chemical	Plumbosolvency
DUN001BO	Booth Road, Dunedin	37,036	Large	Local Authority	$\checkmark$		$\checkmark$							Notified
DUN001GI	Green Island	10,199	Large	Local Authority	$\checkmark$		$\checkmark$							Notified
DUN001LL	Low Levels/Peninsula, Dunedir	n 37,726	Large	Local Authority	$\checkmark$		$\checkmark$							Notified
DUN001MH	Maori Hill	13,785	Large	Local Authority	$\checkmark$		$\checkmark$							Notified
DUN001PC	Port Chalmers	2,469	Minor	Local Authority	$\checkmark$		$\checkmark$							Notified
DUN001WI	Wingatui, Dunedin	1,124	Minor	Local Authority	$\checkmark$		$\checkmark$							Notified
MOS001EA	East Taieri	300	Small	Local Authority	$\checkmark$									Notified
MOS001KI	Kinmont	341	Small	Local Authority	$\checkmark$			•	•			•		Notified

Zone Code	Distribution Zone	Population	Size	Туре	Chemical	As	F	HAA	NO3	Pb	TCAA	THM	Other Chemical	Plumbosolvency
MOS001QH	Quarry Hill	9,535	Medium	Local Authority	$\checkmark$									Notified
OUT001OU	Outram Township	750	Minor	Local Authority	$\checkmark$									Notified
WAI015WK	Waikouaiti/Karitane/Seacliff	1,642	Minor	Local Authority	$\checkmark$								•	Notified
WES002WE	West Taieri Scheme	450	Small	Local Authority	$\checkmark$									Notified

#### **Clutha District**

Zone Code	Distribution Zone	Population	Size	Туре	Chemical	As	F	HAA	NO3	Pb	TCAA	THM	Other Chemical	Plumbosolvency
BAL001BA	Balclutha	3,918	Minor	Local Authority	$\checkmark$		$\checkmark$							Notified
CLY005CL	Clinton Township	285	Small	Local Authority	$\checkmark$									Notified
CLY005RU	Clydevale-Pomahaka Rural	493	Small	Local Authority	$\checkmark$									Notified
GLE001GK	Glenkenich Rural	705	Minor	Local Authority	×			×			×		DCA×	Notified
KAI005KA	Kaitangata Township	762	Minor	Local Authority	$\checkmark$		$\checkmark$							Notified
LAW001LT	Lawrence	417	Small	Local Authority	$\checkmark$									Notified
MIL001MT	Milton	1,929	Minor	Local Authority	×		$\checkmark$	×						Notified
MIL0010C	Otago Corrections Facility	600	Minor	Local Authority	$\checkmark$		$\checkmark$							Notified
MOA001MF	Moa Flat Rural	534	Minor	Local Authority	$\checkmark$									Notified
NOR003NB	North Bruce Rural	658	Minor	Local Authority	×			×			×		DCA×	Notified
NOR003WT	Waihola Township	270	Small	Local Authority	$\checkmark$									Notified
OWA0010W	V Owaka	303	Small	Local Authority	$\checkmark$									Notified
RIC009KA	Kaka Point Township	222	Small	Local Authority	$\checkmark$									Notified
RIC009NO	Richardson Rural North	312	Small	Local Authority	$\checkmark$									Notified
RIC009SO	Richardson Rural South	469	Small	Local Authority	$\checkmark$									Notified
STI002SB	South Bruce Rural	434	Small	Local Authority	$\checkmark$									Notified
STI002ST	Stirling Township	303	Small	Local Authority	$\checkmark$									Notified
TAP001TA	Tapanui	726	Minor	Local Authority	×		×т							Notified
TUA004TW	Tuapeka West Rural	283	Small	Local Authority	$\checkmark$									Notified
WAI016B1	Balmoral 1 Rural	247	Small	Local Authority	$\checkmark$									Notified
WAI016B2	Balmoral 2 Rural	399	Small	Local Authority	$\checkmark$									Notified
WAI016TE	Tuapeka East Rural	276	Small	Local Authority	$\checkmark$									Notified

Chemicals	As Arsenic	CHBCl2	Bromodichloromethane	DCAA	Dichloroacetic acid	Mn	Manganese	NO	Nitrate and nitrite	TCAA	Trichloroacetic acid
Mini Key	B Boron	CIO3	Chlorate	F	Fluoride	Ni	Nickel	Pb	Lead	тнм	Trihalomethanes
	Cd Cadmium	Cu	Copper	HAA	Haloacetic acids	NO3	Nitrate	Sb	Antimony		

#### **Queenstown Lakes District**

Zone Code	Distribution Zone	Population	Size	Туре	Chemical	As	F	HAA	NO3	Pb	TCAA	THM	Other Chemical	Plumbosolvency
ARR001AR	Arrowtown	3,587	Minor	Local Authority	$\checkmark$									Notified
ART001AP	Arthurs Point	1,248	Minor	Local Authority	$\checkmark$									Notified
CAM008CA	Camphill Estate	132	Small	Communal	$\checkmark$									Exempt
GLE003GL	Glenorchy	1,232	Minor	Local Authority	$\checkmark$									Notified
HAW002HA	Hawea	2,444	Minor	Local Authority	$\checkmark$									Notified
JAC002JA	Jacks Point	600	Minor	Private Other	$\checkmark$									Notified
LAK003ES	Lake Hayes Est & Shotover Ctry	v 799	Minor	Local Authority	$\checkmark$									Notified
LAK003LH	Lake Hayes	1,697	Minor	Local Authority	$\checkmark$									Notified
LUG001LU	Luggate	855	Minor	Local Authority	$\checkmark$									Notified
QUE001KE	Kelvin Heights	4,400	Minor	Local Authority	$\checkmark$									Notified
QUE001QU	Queenstown	15,600	Large	Local Authority	$\checkmark$									Notified
WAN002AL	Albert Town	506	Minor	Local Authority	$\checkmark$									Notified
WAN002WA	Wanaka	9,608	Medium	Local Authority	$\checkmark$									Notified
WAN007WA	Wanaka Airport	150	Small	Local Authority	$\checkmark$	•		•	•	•	•	•	•	Notified
Gore Distric	t													
Zone Code	Distribution Zone	Population	Size	Туре	Chemical	As	F	HAA	NO3	Pb	TCAA	THM	Other Chemical	Plumbosolvency
GOR001GO	Gore	7,480	Medium	Local Authority	$\checkmark$									Notified
MAT002MA	Mataura	1,790	Minor	Local Authority	$\checkmark$									Notified
OTA004OT	Otama	300	Small	Local Authority	$\checkmark$								•	Notified
Invercargill	City													
Zone Code	Distribution Zone	Population	Size	Туре	Chemical	As	F	HAA	NO3	Pb	TCAA	THM	Other Chemical	Plumbosolvency
INV001BL	Bluff	2,956	Minor	Local Authority	$\checkmark$		$\checkmark$							Notified
INV001IN	Invercargill City	47,500	Large	, Local Authority	$\checkmark$		$\checkmark$							Notified

#### Southland District

Zone Code	Distribution Zone	Population	Size	Туре	Chemical	As	F	HAA	NO3	Pb	TCAA	THM	Other Chemical	Plumbosolvency
EDE001ED	Edendale	558	Minor	Local Authority	$\checkmark$									Notified
EDE001WY	Wyndham	594	Minor	Local Authority	$\checkmark$									Notified
LUM001BA	Lumsden/Balfour Rural	608	Minor	Local Authority	$\checkmark$									Notified
LUM001LU	Lumsden	453	Small	Local Authority	$\checkmark$									Notified
MAN006MA	Manapouri	228	Small	Local Authority	$\checkmark$									Notified
MIL007MI	Milford Sound	350	Small	Private Other	$\checkmark$									Notified
MOS002MO	Mossburn	201	Small	Local Authority	$\checkmark$									Notified
OHA009NI	Nightcaps	306	Small	Local Authority	$\checkmark$									Notified
OHA009OH	Ohai	303	Small	Local Authority	$\checkmark$									Notified
OTA001OT	Otautau	798	Minor	Local Authority	$\checkmark$									Notified
RIV001RI	Riverton	1,506	Minor	Local Authority	$\checkmark$									Notified
TEA002TE	Te Anau	2,628	Minor	Local Authority	$\checkmark$									Notified
TUA001TU	Tuatapere	561	Minor	Local Authority	$\checkmark$									Notified
WIN001WI	Winton	2,436	Minor	Local Authority	$\checkmark$									Notified

С	hemicals	As Arsenic	CHBCl2	Bromodichloromethane	DCAA	Dichloroacetic acid	Mn	Manganese	NO	Nitrate and nitrite	TCAA	Trichloroacetic acid
N	lini Key	B Boron	CIO3	Chlorate	F	Fluoride	Ni	Nickel	Pb	Lead	THM	Trihalomethanes
		Cd Cadmium	Cu	Copper	HAA	Haloacetic acids	NO3	Nitrate	Sb	Antimony		

#### KEY

		Sections 69S, U, Y & Z				
Size	Population	apply from	Symbol	Meaning	Health Act Section	Requirements for
Large	10,001 or more	1 July 2012	$\checkmark$	Met section requirements	69S	Provision of drinking water
Medium	5,001 to 10,000	1 July 2013	×	Failed section requirements	69U	Source protection
Minor	501 to 5,000	1 July 2014	NR	Not met, but this aspect not yet required for this supply	69Y	Monitoring
Small	101 to 500	1 July 2015	n/a	Section not applicable to this supply	69Z	Water Safety Plans (WSP)
					69ZD	Records
					69ZE	Complaints
					69ZF	Remedial action
					Met Requirements	All the above sections are $\checkmark$ , NR or n/a.

#### Whangarei District

Zone Code	Distribution Zone	Population	Size	Туре	69S	69U	69Y	69Z	69ZD	69ZE	69ZF	Met Requirements	PHRMP Status
BRE001BR	Bream Bay	5,900	Medium	Local Authority	$\checkmark$	Yes	Implementing						
HUK001HU	Hukerenui School	150	Small	Education Public	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
MAU002MA	Maungakaramea	200	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
WHA007HE	Whangarei Heads	7,200	Medium	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
WHA007HI	Hikurangi	1,330	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
WHA007WH	I Whangarei	48,000	Large	Local Authority	$\checkmark$	Yes	Implementing						

#### **Far North District**

Zone Code	Distribution Zone	Population	Size	Туре	69S	69U	69Y	69Z	69ZD	69ZE	69ZF	Met Requirements	PHRMP Status
CAR011CA	Carrington Estate	120	Small	Private Other	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
DOU004EC	East Coast Bays	2,000	Minor	Private Other	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
KAI006KA	Kaikohe	4,000	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
KAI006NG	Ngawha Springs	200	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
KAI008KA	Kaitaia	5,400	Medium	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
KAW002KA	Kawakawa	1,500	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
KAW002MO	Moerewa / Otiria	2,000	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing

Zone Code	Distribution Zone	Population	Size	Туре	69S	69U	69Y	69Z	69ZD	69ZE	69ZF	Met Requirements	PHRMP Status
KER001KE	Kerikeri	6,200	Medium	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
KER001WA	Waipapa	500	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
NGA046NG	Ngati Rehia Wai Trust	120	Small	Marae	$\checkmark$	$\checkmark$	×	NR	$\checkmark$	$\checkmark$	n/a	No	Redrafting
OKA003OK	Okaihau	800	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
OMA002OM	Omapere	900	Minor	Local Authority	$\checkmark$	Yes	Implementing						
PAI001HA	Haruru Falls	1,000	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
PAI001OP	Opua	1,000	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
PAI001PA	Paihia	2,000	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
РАКООЗРА	Pakanae	160	Small	Communal	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	×	No	Implementing
RAW001RA	Rawene	600	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
RUS004RU	Russell Township-Commercial	200	Small	Private Other	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
WAI045WA	Waipapa, Lock	150	Small	Private Other	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
WAI226WA	Waima Hapu Community	200	Small	Private Other	$\checkmark$	$\checkmark$	×	NR	$\checkmark$	$\checkmark$	×	No	Redrafting
WHI012WH	Whirinaki Water Board	400	Small	Private Other	$\checkmark$	$\checkmark$	×	$\checkmark$	$\checkmark$	$\checkmark$	×	No	Implementing
Kaipara Dis	trict												
Zone Code	Distribution Zone	Population	Size	Туре	69S	69U	69Y	69Z	69ZD	69ZE	69ZF	Met Requirements	PHRMP Status
DAR002BB	Baylys Beach	228	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
DAR002DT	Dargaville Town	4,455	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
KAI007KD	Kaihu-Dargaville	324	Small	Local Authority	$\checkmark$	$\checkmark$	×	NR	$\checkmark$	$\checkmark$	n/a	No	Not Started
MAN003MA	Mangawhai Heads	200	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	NR	$\checkmark$	$\checkmark$	n/a	Yes	Not Started
MAU001MA	Maungaturoto	900	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
RUA001RU	Ruawai	426	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
Greater Au	ckland (Watercare)												
Zone Code	Distribution Zone	Population	Size	Туре	69S	69U	69Y	69Z	69ZD	69ZE	69ZF	Met Requirements	PHRMP Status
AUC003AA	Auckland Airport	4,557	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
AUC003AU	Auckland	261,638	Large	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
AUC003AZ	Anzac	3,445	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
AUC003BU	Buckland	609	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
AUC003CB	Central Business Dist.Auckland	14,590	Large	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
AUC003CL	Clarks/Waiau Beach	1,332	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
AUC003EB	East Tamaki/Botany	36,914	Large	, Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
AUC003GL	Glenbrook Beach	393	Small	, Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
AUC003GN	Glen Eden/New Lynn	56,785	Large	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
Health Act	69S Provision of drinking wate	er 69U Sourd	ce protection	69Y Monitoring	69Z	Water s	afety pla	ns	69ZD	Records	69ZE	Complaints 69ZF	Remedial action

Zone Code	Distribution Zone	Population	Size	Туре	69S	69U	69Y	69Z	69ZD	69ZE	69ZF	Met Requirements	PHRMP Status
AUC003HE	Henderson	125,916	Large	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
AUC003HH	High Head	4,000	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
AUC003HI	Hillsborough	62,355	Large	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
AUC003HO	Howick/Pakuranga	94,803	Large	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
AUC003HT	Hilltop	947	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
AUC003HW	HBC/Waiwera	28,898	Large	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
AUC003KI	Kitchener	14,866	Large	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
AUC003LA	Laingholm	2,457	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
AUC003MA	Maungawhau	45,267	Large	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
AUC003MG	Mangere	71,629	Large	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
AUC003MO	Montana	4,615	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
AUC003MT	Mt Hobson	30,526	Large	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
AUC003MW	Manurewa	72,305	Large	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
AUC003ON	Onehunga	27,101	Large	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
AUC003OP	Otara/Papatoetoe/Manukau	Cent. 58,441	Large	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
AUC003OR	Oratia	1,596	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
AUC003OT	Otahuhu	11,083	Large	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
AUC003PT	Patumahoe	606	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
AUC003SO	North Shore Sth.	151,400	Large	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
AUC003SW	Swanson	4,540	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
AUC003TH	Te Henga	1,085	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
AUC003WE	North Shore West	71,300	Large	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
AUC003WH	Whenuapai	5,460	Medium	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
BOM003BO	Bombay	609	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
BUR004BU	Burnside Road	352	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
HEL005HP	Helensville/Parakai	4,579	Minor	Local Authority	$\checkmark$	Yes	Implementing						
HUI006HV	Huia Village	597	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
MUR011MU	Muriwai	563	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
PAP001PC	Papakura City	32,421	Large	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
PAP001RH	Red Hill	2,475	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
PAP001TA	Takanini	13,617	Large	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
SNE002SN	Snells/Algies	4,664	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
WAI214WA	Waiuku	8,697	Medium	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
WAR006WA	Warkworth	4,111	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
WEL004WE	Wellsford/Te Hana	2,114	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing

Appendix 4. Requirements of the Health Act

#### **Greater Auckland**

Zone Code	Distribution Zone	Population	Size	Туре	69S	69U	69Y	69Z	69ZD	69ZE	69ZF	Met Requirements	PHRMP Status
BOM002BO	Bombay Motorway Services	200	Small	Private Other	$\checkmark$	$\checkmark$	$\checkmark$	NR	$\checkmark$	$\checkmark$	n/a	Yes	Approved
BRO015BP	Broadway Park, Newmarket	1,000	Minor	Private Other	$\checkmark$	$\checkmark$	×	×	$\checkmark$	$\checkmark$	n/a	No	Approved
HAR005HA	Haranui Whanau	200	Small	Marae	$\checkmark$	Yes	Implementing						
KEN005KP	Kensington Park	450	Small	Private Other	$\checkmark$	$\checkmark$	$\checkmark$	NR	$\checkmark$	$\checkmark$	n/a	Yes	Approved
KIN002KH	Kingseat Community	400	Small	Private Other	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
MAT034MA	Matiatia Wharf	800	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	×	$\checkmark$	$\checkmark$	n/a	No	Approved
PIN003PI	Pine Harbour	150	Small	Private Other	$\checkmark$	$\checkmark$	$\checkmark$	NR	$\checkmark$	$\checkmark$	n/a	Yes	Approved
WAI197GL	Waiuku, Glenbrook Beach Road	d 200	Small	Private Other	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
Thames Cor	romandel District												
Zone Code	Distribution Zone	Population	Size	Туре	69S	69U	69Y	69Z	69ZD	69ZE	69ZF	Met Requirements	PHRMP Status
COR001CO	Coromandel	1,657	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
HAH001HA	Hahei, Harsant Subdivision	457	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	NR	$\checkmark$	$\checkmark$	n/a	Yes	Redrafting
НАНООЗРА	Hahei, Pa Road	200	Small	Private Other	×	×	×	NR	NR	×	n/a	No	Draft
MAT009MA	Matatoki	150	Small	Local Authority	×	×	×	NR	$\checkmark$	×	n/a	No	Not Planned
MAT010MA	Matarangi	279	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
ONE002ON	Onemana	170	Small	Local Authority	$\checkmark$	Yes	Implementing						
PAU001PA	Pauanui	747	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
PUR003PU	Puriri	150	Small	Local Authority	×	×	×	NR	$\checkmark$	×	n/a	No	Not Planned
TAI002TA	Tairua	1,335	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
TEP007AP	Te Puru - Aputa Ave	200	Small	Local Authority	×	×	×	$\checkmark$	NR	×	n/a	No	Implementing
THA001TK	Thames - Kopu	7,657	Medium	Local Authority	$\checkmark$	$\checkmark$	×	$\checkmark$	$\checkmark$	$\checkmark$	n/a	No	Implementing
WHA003WH	Whangamata	3,665	Minor	Local Authority	$\checkmark$	$\checkmark$	×	×	$\checkmark$	$\checkmark$	$\checkmark$	No	Redrafting
WHI001WH		4,115	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing

Health Act	69S Provision of drinking water	69U Source protection	69Y Monitoring	69Z Water safety plans	69ZD Records	69ZE Complaints	69ZF Remedial action
Mini Key	✓ Met requirements	× Failed requirements	n/a Not applicable	NR Not met, not required ye	t		

#### Hauraki District

Hauraki District													
Zone Code Dist	tribution Zone	Population	Size	Туре	69S	69U	69Y	69Z	69ZD	69ZE	69ZF	Met Requirements	PHRMP Statu
Al013KA Kair	manawa	204	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	NR	$\checkmark$	$\checkmark$	n/a	Yes	Not Started
AROO1KA Kara	angahake	147	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	×	No	Implementin
ER005KE Kere	epehi	1,371	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementin
ER005TU Tur	ua	1,181	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementin
AC003MA Mad	ckaytown	174	Small	Local Authority	$\checkmark$	Yes	Implementin						
AE001OH Ohi	nemuri	702	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementin
PAE001PA Pae	roa	3,864	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementin
NAI003WA Wai	ihi	4,623	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementin
WAI043WA Wai	ikino	304	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementin
WAI201WA Wai	itakaruru	2,076	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementin
Waikato Distric	t												
Zone Code Dist	tribution Zone	Population	Size	Туре	69S	69U	69Y	69Z	69ZD	69ZE	69ZF	Met Requirements	PHRMP Statu
IUN002HU Hur	ntly	7,210	Medium	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementin
IUN002RO Rote	ongaro	130	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementin
IGA002HO Hor	otiu	459	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementir
IGA002HP Hop	ouhopu	200	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementir
NGA002NG Nga	aruawahia	5,691	Medium	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementir
IGA002TA Tau	piri	529	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementir
NOR013NO Nor	th Western Dist, Waikato Do	C 115	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementir
POK001PO Pok	eno	519	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	×	$\checkmark$	$\checkmark$	n/a	No	Draft
RAG001RA Rag	lan	3,187	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementir
OU009SO Sou	thern Districts, Waikato DC	5,466	Medium	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementir
EKO01TR Te k	Kauwhata / Rangiriri	1,410	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementir
EK001WH What	angamarino Rural / Mereme	ere 739	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementir
UA002TN Tua	kau North	823	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	×	$\checkmark$	$\checkmark$	n/a	No	Draft
UA002TS Tua	kau South	3,119	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	×	$\checkmark$	$\checkmark$	n/a	No	Draft
Matamata Piako	o District												
Zone Code Dist	tribution Zone	Population	Size	Туре	69S	69U	69Y	69Z	69ZD	69ZE	69ZF	Met Requirements	PHRMP State
/IAT004MA Mat	tamata Township	6,309	Medium	Local Authority	$\checkmark$	Yes	Implementir						
1AT004WA Wal	haroa	634	Minor	Local Authority	$\checkmark$	Yes	Implementir						
OR001MO Mo	rrinsville Township	6,603	Medium	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementir
AH001TA Tah	una Township	120	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	NR	$\checkmark$	$\checkmark$	$\checkmark$	Yes	Not Started
AT005FA Tatu	ua Dairy Factory Endpoint	200	Small	Private Other	$\checkmark$	$\checkmark$	×	NR	$\checkmark$	$\checkmark$	n/a	No	Redrafting
TEA003TE Te A	Aroha	3,768	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	×	$\checkmark$	$\checkmark$	$\checkmark$	No	Redrafting
WAI049WA Wai	itoa Village & Factory	500	Small	Private Other	$\checkmark$	$\checkmark$	$\checkmark$	NR	$\checkmark$	$\checkmark$	×	No	Redrafting

### Hamilton City

Zone Code	Distribution Zone	Population	Size	Туре	69S	69U	69Y	69Z	69ZD	69ZE	69ZF	Met Requirements	PHRMP Statu
HAM001HA	Hamilton City	130,813	Large	Local Authority	 √	 √	√ v	 ✓	 √	√ v	n/a	Yes	Implementing
HAM001RU	Ruakura/Ryburn Road	150,015	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
HAM001TE	Temple View, Hamilton	1,413	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
		1,110		Local Authority							ny a	105	inpictienting
Waipa Dist	rict												
Zone Code	Distribution Zone	Population	Size	Туре	69S	69U	69Y	69Z	69ZD	69ZE	69ZF	Met Requirements	PHRMP Statu
CAM001CA	Cambridge	13,368	Large	Local Authority	$\checkmark$	Yes	Implementin						
CAM001KA	Karapiro Village	132	Small	Local Authority	$\checkmark$	Yes	Implementin						
AM006IT	East Side Terminal	400	Small	Private Other	$\checkmark$	$\checkmark$	$\checkmark$	NR	$\checkmark$	$\checkmark$	n/a	Yes	Not Planned
HAM006WE	West Side Aviation Area	350	Small	Private Other	$\checkmark$	$\checkmark$	$\checkmark$	NR	$\checkmark$	$\checkmark$	n/a	Yes	Not Planned
KIHO01KI	Kihikihi	2,000	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementin
PUK001OH	Ohaupo	468	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementin
PUK001PU	Pukerimu Rural	3,278	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementin
TEA001PI	Pirongia	1,500	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementin
TEA001TE	Te Awamutu Township	9,165	Medium	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementin
ГОКОО6ТН	Tokanui	250	Small	Communal	$\checkmark$	$\checkmark$	$\checkmark$	NR	$\checkmark$	$\checkmark$	n/a	Yes	Not Planned
Otorohang	a District												
Zone Code	Distribution Zone	Population	Size	Туре	69S	69U	69Y	69Z	69ZD	69ZE	69ZF	Met Requirements	PHRMP Statu
ARO001AO	Aotearoa Road, Arohena	120	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	NR	$\checkmark$	$\checkmark$	n/a	Yes	Not Started
ARO001MA	Mangare Road, Arohena	120	Small	, Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	NR	$\checkmark$	$\checkmark$	n/a	Yes	Not Started
KAW001KA	Kawhia Township	390	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementin
OTO0010T	Otorohanga	2,875	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	×	$\checkmark$	$\checkmark$	n/a	No	Redrafting
OTO001WA	Waipa	175	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	NR	$\checkmark$	$\checkmark$	n/a	Yes	Redrafting
TIH001TI	Tihiroa	400	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	NR	$\checkmark$	$\checkmark$	n/a	Yes	Not Started
South Waik	kato District												
Zone Code	Distribution Zone	Population	Size	Туре	69S	69U	69Y	69Z	69ZD	69ZE	69ZF	Met Requirements	PHRMP Stat
	Arapuni	300	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementir
ARA003AR			14:000	, Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	✓	Yes	Implementir
	Putaruru	4,116	Minor	Local Authonity									
ARAOO3AR PUTOO1PU TIROO1TI	•	4,116 700	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementir

Health Act	69S	Provision of drinking water	69U	Source protection	69Y Monitoring	69Z	Water safety plans	69ZD Records	69ZE Complaints	69ZF Remedial action
Mini Key	$\checkmark$	Met requirements	×	Failed requirements	n/a Not applicable	NR	Not met, not required ye	t		

#### Waitomo District

Zone Code	Distribution Zone	Population	Size	Туре	69S	69U	69Y	69Z	69ZD	69ZE	69ZF	Met Requirements	PHRMP Status
BEN002BE	Benneydale	280	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
MOK002MO	Mokau, Waitomo	200	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
PIO001PI	Piopio	500	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
TAH002TA	Taharoa Village	300	Small	Private Other	$\checkmark$	$\checkmark$	$\checkmark$	NR	$\checkmark$	$\checkmark$	$\checkmark$	Yes	Not Planned
TEK003TE	Te Kuiti	4,612	Minor	Local Authority	$\checkmark$	Yes	Implementing						
WAI012WC	Waitomo Caves	500	Small	Private Other	$\checkmark$	$\checkmark$	×	NR	$\checkmark$	$\checkmark$	×	No	Not Planned
Ruapehu Di	strict												
Zone Code	Distribution Zone	Population	Size	Туре	69S	69U	69Y	69Z	69ZD	69ZE	69ZF	Met Requirements	PHRMP Status
NAT001NA	National Park	240	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
OHA001OH	Ohakune Township	1,500	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
OHU001OH	Ohura	160	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
OWH001OW	Owhango	200	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	NR	$\checkmark$	$\checkmark$	n/a	Yes	Redrafting
PIR001PI	Piriaka	120	Small	Communal	×	$\checkmark$	×	$\checkmark$	$\checkmark$	×	×	No	Implementing
RAE001RA	Raetihi Township	749	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	×	No	Implementing
TAU003TA	Taumarunui	4,870	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
WAI002WA	Waiouru Township	2,800	Minor	Got Other	×	×	×	×	×	×	×	No	Redrafting
WHA015WV	Whakapapa Village	200	Small	DOC	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
Western Ba	y of Plenty District												
Zone Code	Distribution Zone	Population	Size	Туре	69S	69U	69Y	69Z	69ZD	69ZE	69ZF	Met Requirements	PHRMP Status
ATH003AT	Athenree	5,125	Medium	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
КАТООЗКА	Katikati	5,700	Medium	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
ОМО0030М	Omokoroa Minden	6,450	Medium	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
PON003PO	Pongakawa	4,600	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
TEP002TP	Te Puke	8,260	Medium	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
ТЕРО29ТВ	Te Puke Bush	200	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
Tauranga Ci	ity												
Zone Code	Distribution Zone	Population	Size	Туре	69S	69U	69Y	69Z	69ZD	69ZE	69ZF	Met Requirements	PHRMP Status
					1	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
TAU004MP	Mt Maunganui - Papamoa	52,000	Large	Local Authority	$\checkmark$	v	v	~	v	v	II/d	res	implementing

#### Whakatane District

Zone Code Distribution Zone	Population	Size	Туре	69S	69U	69Y	69Z	69ZD	69ZE	69ZF	Met Requirements	PHRMP Status
MAT005MA Matata	690	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
MUR002MU Murupara	2,060	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
RAN007ED Edgecumbe	1,430	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	Yes	Implementing
RAN007PR Rangitaiki Plains Rural	2,486	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	Yes	Implementing
RAN007TE Te Teko	346	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	Yes	Implementing
RUA003RU Ruatoki	560	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
RUA008RU Ruatahuna Village	300	Small	Private Other	$\checkmark$	$\checkmark$	×	NR	$\checkmark$	$\checkmark$	n/a	No	Redrafting
TAN001TA Taneatua	790	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
TEM004TE Te Mahoe	120	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
WAI017WA Waimana	160	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
WHA005OH Ohope	6,000	Medium	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
WHA005WH Whakatane	15,020	Large	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
Kawerau District												
Zone Code Distribution Zone	Population	Size	Туре	69S	69U	69Y	69Z	69ZD	69ZE	69ZF	Met Requirements	PHRMP Status
KAW003KA Kawerau	6.021	Medium	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	
NAWUUSNA Nawelau	6,921	weulum	Local Authonity	v		•				11 <i>7</i> G	res	Implementing
KAW003KA Kawerau KAW003UV Upper Valley Road	6,921 800	Minor	Local Authority	<b>v</b> √	$\checkmark$	√ √	$\checkmark$	$\checkmark$	$\checkmark$	×	No	Implementing
			•		~		~	~	~			1 0
KAW003UV Upper Valley Road			•		√ 69U		✓ 69Z	✓ 69ZD	✓ 69ZE			1 0
KAW003UV Upper Valley Road Opotiki District Zone Code Distribution Zone	800	Minor	Local Authority	✓		$\checkmark$				×	No	Implementing
KAW003UVUpper Valley RoadOpotiki DistrictZone CodeDistribution ZoneKAI054KAKaiaio Hapu	800 Population	Minor Size	Local Authority Type	√ 69S	69U	✓ 69Y	69Z	69ZD	69ZE	× 69ZF	No Met Requirements	PHRMP Status
KAW003UV Upper Valley Road Opotiki District Zone Code Distribution Zone KAI054KA Kaiaio Hapu KUT003KU Kutarere	800 Population 160	Minor Size Small	Local Authority Type Marae	√ 695 ×	69U ×	✓ 69Y ×	69Z NR	69ZD NR	69ZE ×	× 69ZF n/a	No Met Requirements No	PHRMP Status Not Planned
KAW003UVUpper Valley RoadOpotiki DistrictZone CodeDistribution ZoneKAI054KAKaiaio HapuKUT003KUKutarereOMA016OMOmaio	800 Population 160 300	Minor Size Small Small	Local Authority Type Marae Communal	✓ 695 × ✓	69U × √	✓ 69Y × ×	69Z NR NR	69ZD NR √	69ZE × √	× 69ZF n/a n/a	No Met Requirements No No	PHRMP Status Not Planned Not Planned
KAW003UVUpper Valley RoadOpotiki DistrictZone CodeDistribution ZoneKAI054KAKaiaio HapuKUT003KUKutarereOMA016OMOmaioOPO001HIHikutaia, Opotiki	800 Population 160 300 180	Minor Size Small Small Small	Local Authority Type Marae Communal Private Other	✓ 69S × ✓ ✓	69U × ✓ ×	✓ 69Y × × ×	69Z NR NR NR	69ZD NR ✓ NR	69ZE × ✓ ✓	× 69ZF n/a n/a n/a	No Met Requirements No No No	PHRMP Status Not Planned Not Planned Not Planned
KAW003UVUpper Valley RoadOpotiki DistrictZone CodeDistribution ZoneKAI054KAKaiaio HapuKUT003KUKutarereOMA016OMOmaioOPO001HIHikutaia, OpotikiOPO001OPOpotiki Town	800 Population 160 300 180 654	Minor Size Small Small Small Minor	Local Authority Type Marae Communal Private Other Local Authority	✓ 695 × ✓ ✓ ✓	69U ✓ ✓ ✓	✓ 69Y × × × ×	69Z NR NR NR √	69ZD NR ✓ NR ✓	69ZE	× 69ZF n/a n/a n/a n/a	No Met Requirements No No Yes	PHRMP Status Not Planned Not Planned Not Planned Implementing
KAW003UVUpper Valley RoadOpotiki DistrictZone CodeDistribution ZoneKAI054KAKaiaio HapuKUT003KUKutarereOMA016OMOmaioOPO001HIHikutaia, OpotikiOPO001OPOpotiki Town	800 Population 160 300 180 654 3,876	Minor Size Small Small Small Minor Minor	Local Authority Type Marae Communal Private Other Local Authority Local Authority	✓ 695 × ✓ ✓ ✓ ✓	69U × ✓ × ✓	✓ 69Y × × × × ✓	69Z NR NR √ √	69ZD NR ✓ NR ✓	69ZE × ✓ ✓ ✓	× 69ZF n/a n/a n/a n/a n/a	No Met Requirements No No Yes Yes	PHRMP Status Not Planned Not Planned Not Planned Implementing Implementing

Health Act	69S Provision of drinking water	69U Source protection	69Y Monitoring	69Z Water safety plans	69ZD Records	69ZE Complaints	69ZF Remedial action
Mini Key	✓ Met requirements	× Failed requirements	n/a Not applicable	NR Not met, not required ye	t		

Appendix 4. Requirements of the Health Act

#### **Rotorua District**

	•												
Zone Code Distri	ribution Zone	Population	Size	Туре	69S	69U	69Y	69Z	69ZD	69ZE	69ZF	Met Requirements	PHRMP State
RU005BR Brun	nswick 4	110	Small	Private Other	$\checkmark$	$\checkmark$	×	NR	$\checkmark$	$\checkmark$	n/a	No	Draft
IAM003HA Ham	nurana	900	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	×	$\checkmark$	$\checkmark$	n/a	No	Approved
IAM003KA Kaha	aroa	800	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	×	$\checkmark$	$\checkmark$	n/a	No	Approved
Al009KA Kaing	ngaroa	400	Small	Communal	×	$\checkmark$	×	$\checkmark$	$\checkmark$	$\checkmark$	n/a	No	Implementir
MAM001MA Mam	maku Township	868	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementir
NGO001NG Ngor	ongotaha Township	4,826	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementir
REPOO1RE Repo	oroa	1,060	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	×	$\checkmark$	$\checkmark$	n/a	No	Approved
ROT001OK Okar	reka	730	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementir
ROT001RE Roto	orua Eastern Suburbs	9,600	Medium	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementir
ROT002RO Roto	oma	340	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	NR	$\checkmark$	$\checkmark$	n/a	Yes	Approved
ROT003RO Roto	orua City	42,500	Large	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementin
ROT004RO Roto	oiti	880	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	×	$\checkmark$	$\checkmark$	n/a	No	Approved
Taupo District													
Zone Code Distri	ribution Zone	Population	Size	Туре	69S	69U	69Y	69Z	69ZD	69ZE	69ZF	Met Requirements	PHRMP State
ACA001AC Acac	cia Bay	1,512	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	×	No	Implementir
ACA001MA Mapa	oara Road Rural	869	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementii
ATI001AV Atian	muri Village	134	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementi
BON001BO Bons	shaw Park	152	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementii
CENOO1RR Raka	anui Road	200	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	×	No	Implementir
HAT001HV Hate	epe Village	174	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	×	No	Implementir
KIN001KI Kinlo	och Town	1,604	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	×	No	Implementir
KIN010KI Kinlo	och Park	140	Small	Private Other	$\checkmark$	$\checkmark$	×	NR	$\checkmark$	$\checkmark$	n/a	No	Not Started
MAN002MA Man	ngakino	1,312	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementir
MOT002MO Motu	tuoapa	739	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	×	No	Implementir
MO0010M Omo	ori / Kuratau / Pukawa	1,783	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	×	No	Implementir
RIV003RI River	er Rd Reporoa	197	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementir
TAU001TC Taup	po Central & West	17,105	Large	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementir
AU001TS Taup	po - Taupo South	6,396	Medium	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementir
IR002SC Seren	enity Cove	137	Small	Local Authority	$\checkmark$	$\checkmark$	×	$\checkmark$	$\checkmark$	$\checkmark$	n/a	No	Implementir
IR002TI Tiroh	hanga	190	Small	Local Authority	×	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	No	Implementir
UR001TO Toka	aanu	360	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementi
			N 41-11-11	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementii
TUR001TU Turai	angi	3,578	Minor	Local Authonity									
TUR001TU Turai WHA010WH What	0	3,578 313	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementir

#### **Gisborne District**

Zone Code	Distribution Zone	Population	Size	Туре	69S	69U	69Y	69Z	69ZD	69ZE	69ZF	Met Requirement	s PHRMP Status
ENI001MA	Mangahauini	130	Small	Communal	$\checkmark$	×	×	NR	$\checkmark$	$\checkmark$	×	No	Redrafting
GIS001GI	Gisborne City	29,600	Large	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
GISO01RU	Gisborne Rural	1,000	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
TEKO02TE	Te Karaka	491	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	NR	$\checkmark$	$\checkmark$	n/a	Yes	Redrafting
TEP001TE	Te Puia Springs Hosp & Village	300	Small	Health	$\checkmark$	$\checkmark$	$\checkmark$	NR	$\checkmark$	$\checkmark$	n/a	Yes	Redrafting
WHA004WH	Whatatutu	200	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	NR	$\checkmark$	$\checkmark$	n/a	Yes	Redrafting
New Plymo	uth District												
Zone Code	Distribution Zone	Population	Size	Туре	69S	69U	69Y	69Z	69ZD	69ZE	69ZF	Met Requirement	s PHRMP Status
NG001IN	Inglewood	3,983	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
NEW002BE	Bell Block	4,820	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
NEW002LE	Lepperton	200	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
NEW002NE	New Plymouth	45,420	Large	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
NEW002UR	Urenui/Tikorangi	1,030	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
NEW002WA	Waitara	7,602	Medium	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
DAK001OA	Oakura	1,625	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
DKA002OK	Okato	530	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
Stratford Di	istrict												
Zone Code	Distribution Zone	Population	Size	Туре	69S	69U	69Y	69Z	69ZD	69ZE	69ZF	Met Requirement	s PHRMP Status
MID001MI	Midhirst	200	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
STR001ST	Stratford	6,773	Medium	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
South Tarar	naki District												
Zone Code	Distribution Zone	Population	Size	Туре	69S	69U	69Y	69Z	69ZD	69ZE	69ZF	Met Requirement	s PHRMP Status
COL005PI	Pihama	350	Small	Private Other	$\checkmark$	$\checkmark$	$\checkmark$	NR	$\checkmark$	$\checkmark$	n/a	Yes	Approved
ELTO01EL	Eltham	1,980	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
HAW003HA	Hawera	8,550	Medium	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
HAW003NO	Normanby	850	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
HAW003OH	Ohawe Beach	210	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
NA001IN	Inaha	495	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	NR	$\checkmark$	$\checkmark$	n/a	Yes	Draft
OPU001OP	Opunake	1,370	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
PAT001PA	Patea	1,150	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
RAH001RA	Rahotu	115	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	NR	$\checkmark$	$\checkmark$	n/a	Yes	Redrafting
Health Act	69S Provision of drinking wate	er 69U Sourc	ce protection	69Y Monitoring	69Z	Water s	afety pla	ns	69ZD	Records	69ZE	Complaints 69	ZF Remedial action
			-										

Zone Code	Distribution Zone	Population	Size	Туре	69S	69U	69Y	69Z	69ZD	69ZE	69ZF	Met Requirements	PHRMP Status
WAI018KA	Kaponga	370	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
WAI018MA	Manaia	925	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
WAI018RU	Waimate West Rural	1,585	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
WAV001WA	Waverley	950	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	Yes	Implementing
Wairoa Dis	trict												
Zone Code	Distribution Zone	Population	Size	Туре	69S	69U	69Y	69Z	69ZD	69ZE	69ZF	Met Requirements	PHRMP Status
RAU006RA	Raupunga	250	Small	Communal	×	$\checkmark$	×	NR	NR	×	n/a	No	Redrafting
TUA005TU	Tuai	300	Small	Local Authority	$\checkmark$	×	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	No	Implementing
WAI006FR	Frasertown	350	Small	Local Authority	$\checkmark$	×	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	No	Implementing
WAI006WA	Wairoa	4,300	Minor	Local Authority	$\checkmark$	×	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	No	Implementing
Napier City	,												
Zone Code	Distribution Zone	Population	Size	Туре	69S	69U	69Y	69Z	69ZD	69ZE	69ZF	Met Requirements	PHRMP Status
BAY001BA	Bayview Township	. 894	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
NAP001NA	Napier City	25,800	Large	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	Yes	Implementing
NAP001TA	Taradale	24,110	Large	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	Yes	Implementing
Hastings Di													
Zone Code	Distribution Zone	Population	Size	Туре	69S	69U	69Y	69Z	69ZD	69ZE	69ZF	Met Requirements	PHRMP Status
CLI001AL	Allen Lane/Ferry Rd, Clive	198	Creatil	I a sel A suble subtract	$\checkmark$	/	$\checkmark$		$\checkmark$	$\checkmark$	n/a	V	Submitted
CLI001VA		200	Small	Local Authority	v	$\checkmark$	v	NR	•	•	, a	Yes	Submitted
CLIUUIVA	Valerie St/Tuckers Lane, Clive	362	Small	Local Authority	✓ ✓	$\checkmark$	v √	NR NR	<b>√</b>	$\checkmark$	n/a	Yes	Submitted
HAS001BP	Valerie St/Tuckers Lane, Clive Bridge Pa			,									
		362	Small	, Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	NR	$\checkmark$	$\checkmark$	n/a	Yes	Submitted
HAS001BP	Bridge Pa	362 300	Small Small	Local Authority Local Authority	$\checkmark$	√ √	√ ×	NR ✓	√ √	$\checkmark$	n/a n/a	Yes No	Submitted Implementing
HAS001BP HAS001EA	Bridge Pa Hastings East	362 300 16,668	Small Small Large	Local Authority Local Authority Local Authority	$\checkmark$	✓ ✓ ✓	√ × ×	NR ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	n/a n/a n/a	Yes No No	Submitted Implementing Implementing
HAS001BP HAS001EA HAS001FL	Bridge Pa Hastings East Flaxmere	362 300 16,668 12,171	Small Small Large Large	Local Authority Local Authority Local Authority Local Authority Local Authority	✓ ✓ ✓ ×	$\checkmark$	✓ × × ×	NR ✓ ✓	$\checkmark$	$\checkmark$	n/a n/a n/a √	Yes No No No	Submitted Implementing Implementing Implementing
HAS001BP HAS001EA HAS001FL HAS001HN	Bridge Pa Hastings East Flaxmere Havelock North	362 300 16,668 12,171 15,370	Small Small Large Large Large	Local Authority Local Authority Local Authority Local Authority Local Authority Local Authority	✓ ✓ × ✓		✓ × × ✓	NR ✓ ✓ ✓	$\checkmark$	$\checkmark$	n/a n/a √ √	Yes No No Yes	Submitted Implementing Implementing Implementing Implementing
HASO01BP HASO01EA HASO01FL HASO01HN HASO01PA	Bridge Pa Hastings East Flaxmere Havelock North Paki Paki	362 300 16,668 12,171 15,370 200	Small Small Large Large Large Small	Local Authority Local Authority Local Authority Local Authority Local Authority Local Authority Local Authority	✓ ✓ × ✓		✓ × × ✓	NR ✓ ✓ ✓ ✓	$\begin{array}{c} \checkmark \\ \checkmark \end{array}$	✓ ✓ ✓ ✓ ✓	n/a n/a ✓ ✓ n/a	Yes No No Yes Yes	Submitted Implementing Implementing Implementing Implementing
HAS001BP HAS001EA HAS001FL HAS001HN HAS001PA HAS001WE	Bridge Pa Hastings East Flaxmere Havelock North Paki Paki Hastings West & Central Haumoana / Te Awanga	362 300 16,668 12,171 15,370 200 20,055	Small Small Large Large Large Small Large	Local Authority Local Authority Local Authority Local Authority Local Authority Local Authority Local Authority	✓ ✓ ✓ ✓ ✓		✓ × × ✓ ✓	NR </li <li> </li> <li> </li> <li> </li>	✓ ✓ ✓ ✓ ✓	$ \begin{array}{c} \checkmark \\ \checkmark $	n/a n/a ✓ ✓ n/a n/a	Yes No No Yes Yes No	Submitted Implementing Implementing Implementing Implementing Implementing
HAS001BP HAS001EA HAS001FL HAS001HN HAS001WE HAS001WE	Bridge Pa Hastings East Flaxmere Havelock North Paki Paki Hastings West & Central Haumoana / Te Awanga	362 300 16,668 12,171 15,370 200 20,055 1,900	Small Small Large Large Small Large Minor	Local Authority Local Authority Local Authority Local Authority Local Authority Local Authority Local Authority Local Authority	✓ ✓ ✓ ✓ ✓ ✓		✓ × × × ✓ ✓ × ✓	NR </li <li> <ul> <li> <li> <li> <li> <li> <li> <li> <l< td=""><td><math display="block">\begin{array}{c} \checkmark \\ \checkmark </math></td><td><math display="block">\begin{array}{c} \checkmark \\ \checkmark </math></td><td>n/a n/a ✓ ✓ n/a n/a n/a</td><td>Yes No No Yes Yes No No</td><td>Submitted Implementing Implementing Implementing Implementing Implementing Redrafting</td></l<></li></li></li></li></li></li></li></ul></li>	$\begin{array}{c} \checkmark \\ \checkmark $	$\begin{array}{c} \checkmark \\ \checkmark $	n/a n/a ✓ ✓ n/a n/a n/a	Yes No No Yes Yes No No	Submitted Implementing Implementing Implementing Implementing Implementing Redrafting
HAS001BP HAS001EA HAS001FL HAS001HN HAS001PA HAS001WE HAU002HA OMA008OM	Bridge Pa Hastings East Flaxmere Havelock North Paki Paki Hastings West & Central Haumoana / Te Awanga 1 Omahu	362 300 16,668 12,171 15,370 200 20,055 1,900 126	Small Small Large Large Small Large Minor Small	Local Authority Local Authority Local Authority Local Authority Local Authority Local Authority Local Authority Local Authority Local Authority	✓ ✓ ✓ ✓ ✓ ✓ ✓		<ul> <li>✓</li> <li>×</li> <li>×</li> <li>✓</li> <li>✓</li> <li>✓</li> <li>✓</li> <li>✓</li> </ul>	NR ✓ ✓ ✓ ✓ ✓ × NR	$\begin{array}{c} \checkmark \\ \checkmark $	$ \begin{array}{c} \checkmark \\ \checkmark $	n/a n/a ✓ √ n/a n/a n/a n/a	Yes No No Yes Yes No No Yes	Submitted Implementing Implementing Implementing Implementing Implementing Redrafting Draft
HAS001BP HAS001EA HAS001FL HAS001PA HAS001WE HAU002HA OMA008OM PAR025PA	Bridge Pa Hastings East Flaxmere Havelock North Paki Paki Hastings West & Central Haumoana / Te Awanga 1 Omahu Parkhill Farm Waimarama	362 300 16,668 12,171 15,370 200 20,055 1,900 126 288	Small Small Large Large Small Large Minor Small Small	Local Authority Local Authority Local Authority Local Authority Local Authority Local Authority Local Authority Local Authority Local Authority Local Authority	<ul> <li></li> <li>×</li> <li>×<!--</td--><td></td><td>✓ × × ✓ ✓ × × ✓</td><td>NR ✓ ✓ ✓ × NR NR</td><td></td><td><ul> <li>✓</li> <li>✓</li></ul></td><td>n/a n/a ✓ n/a n/a n/a √</td><td>Yes No No Yes Yes No No Yes Yes</td><td>Submitted Implementing Implementing Implementing Implementing Implementing Redrafting Draft Draft</td></li></ul>		✓ × × ✓ ✓ × × ✓	NR ✓ ✓ ✓ × NR NR		<ul> <li>✓</li> <li>✓</li></ul>	n/a n/a ✓ n/a n/a n/a √	Yes No No Yes Yes No No Yes Yes	Submitted Implementing Implementing Implementing Implementing Implementing Redrafting Draft Draft

### Central Hawkes Bay District

Zone Code	Distribution Zone	Population	Size	Туре	69S	69U	69Y	69Z	69ZD	69ZE	69ZF	Met Requirements	PHRMP Status
FAR001FA	Farm Road	120	Small	Communal	×	×	×	NR	NR	×	n/a	No	Not Started
POR003PT	Porangahau Township	130	Small	Local Authority	$\checkmark$	×	$\checkmark$	NR	$\checkmark$	$\checkmark$	n/a	No	Draft
TAK001TA	Takapau Township	570	Minor	Local Authority	$\checkmark$	×	×	$\checkmark$	$\checkmark$	$\checkmark$	n/a	No	Implementing
WAI004HI	Waipukurau High Pressure Zon	e 3,000	Minor	Local Authority	$\checkmark$	×	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	No	Implementing
WAI004LO	Waipukurau Low Pressure Zone	e 666	Minor	Local Authority	$\checkmark$	×	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	No	Implementing
WAI005OT	Otane Township	546	Minor	Local Authority	$\checkmark$	×	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	No	Implementing
WAI005WA	Waipawa Township	1,809	Minor	Local Authority	$\checkmark$	×	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	No	Implementing
Chatham Is	lands												
Zone Code	Distribution Zone	Population	Size	Туре	69S	69U	69Y	69Z	69ZD	69ZE	69ZF	Met Requirements	PHRMP Status
WAI158WA	Waitangi, Chatham Is.	125	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
Wanganui [	District												
Zone Code	Distribution Zone	Population	Size	Туре	69S	69U	69Y	69Z	69ZD	69ZE	69ZF	Met Requirements	PHRMP Status
BRU001BR	Brunswick-Westmere	450	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
FOR001FO	Fordell Township	350	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	NR	$\checkmark$	$\checkmark$	n/a	Yes	Draft
MAX001MA	Maxwell	200	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	NR	$\checkmark$	$\checkmark$	n/a	Yes	Draft
MOW001MC	) Mowhanau Beach	300	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	NR	$\checkmark$	$\checkmark$	n/a	Yes	Draft
WAN001AR	Aramoho	5,000	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
WAN001EA	Wanganui East	5,000	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
WAN001WA	Wanganui City	29,000	Large	Local Authority	$\checkmark$	Yes	Implementing						
Rangitikei D	District												
Zone Code	Distribution Zone	Population	Size	Туре	69S	69U	69Y	69Z	69ZD	69ZE	69ZF	Met Requirements	PHRMP Status
BUL001BU	Bulls Township	1,800	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
HUN001HU	Hunterville Township	400	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
MAN001MA	Mangaweka Township	180	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
MAR001MA	Marton Township	3,750	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
RAT001RA	Ratana Township	450	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	NR	$\checkmark$	$\checkmark$	n/a	Yes	Redrafting
TAI001TA	Taihape Township	2,200	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing

Health Act	69S Provision of drinking water	69U Source protection	69Y Monitoring	69Z Water safety plans	69ZD Records	69ZE Complaints	69ZF Remedial action
Mini Key	✓ Met requirements	× Failed requirements	n/a Not applicable	NR Not met, not required ye	et		

#### Manawatu District

Zone Code	Distribution Zone	Population	Size	Туре	69S	69U	69Y	69Z	69ZD	69ZE	69ZF	Met Requirements	PHRMP Status
FEI001FE	Feilding	13,000	Large	Local Authority	✓	√	×	√	✓	✓	n/a	No	Implementing
HAL001HA	Halcombe-Stanway	430	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	NR	$\checkmark$	$\checkmark$	n/a	Yes	Redrafting
HIM001HI	Himatangi Beach	438	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	√	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
KIW003KI	Kimbolton	150	Small	Communal	$\checkmark$	$\checkmark$	×	NR	$\checkmark$	$\checkmark$	n/a	No	Redrafting
OHA002OH	Ohakea	800	Minor	Government Other	$\checkmark$	×	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	No	Implementing
RON002RO	Rongotea	300	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
SAN001SA	Sanson	492	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
		200	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
Palmerston	n North City												
Zone Code	Distribution Zone	Population	Size	Туре	69S	69U	69Y	69Z	69ZD	69ZE	69ZF	Met Requirements	PHRMP Status
ASH001AS	Ashhurst	2,800	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
BUN001BU	Bunnythorpe	450	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	NR	$\checkmark$	$\checkmark$	n/a	Yes	Approved
LIN001LI	Linton	4,500	Minor	Government Other	$\checkmark$	×	$\checkmark$	×	$\checkmark$	$\checkmark$	n/a	No	Redrafting
LON001LO	Longburn	240	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	NR	$\checkmark$	$\checkmark$	n/a	Yes	Draft
LON002SC	Longburn Adventist College	300	Small	<b>Education Public</b>	×	×	×	NR	NR	×	n/a	No	Draft
LON006BR	Longburn, Brandlines	150	Small	Private Other	×	×	×	NR	NR	×	n/a	No	Not Planned
MAS001MA	Massey University	9,000	Medium	Private Other	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
PAL001AO	Aokautere	2,739	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
PAL001FW	Fitzherbert West	450	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
PAL001KG	Kelvin Grove	5,784	Medium	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
PAL001PC	Palmerston North City	58,680	Large	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
Tararua Dis	strict												
Zone Code	Distribution Zone	Population	Size	Туре	69S	69U	69Y	69Z	69ZD	69ZE	69ZF	Met Requirements	PHRMP Status
DAN001DA	Dannevirke	6,000	Medium	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	х	$\checkmark$	$\checkmark$	×	No	Approved
EKE001EK	Eketahuna	456	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	NR	$\checkmark$	$\checkmark$	n/a	Yes	Approved
NOR002NO	Norsewood	200	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	NR	$\checkmark$	$\checkmark$	n/a	Yes	Approved
PAH001PA	Pahiatua	2,700	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	×	$\checkmark$	$\checkmark$	n/a	No	Approved
PLE002PL	Pleckville	200	Small	Communal	×	×	×	NR	NR	×	n/a	No	Not Started
PON001PO	Pongaroa	200	Small	Communal	$\checkmark$	$\checkmark$	$\checkmark$	NR	$\checkmark$	$\checkmark$	n/a	Yes	Approved
W00001WC	) Woodville	1,500	Minor	Local Authority	$\checkmark$	$\checkmark$	×	×	$\checkmark$	$\checkmark$	n/a	No	Approved

#### Horowhenua District

Zone Code	Distribution Zone	Population	Size	Туре	69S	69U	69Y	69Z	69ZD	69ZE	69ZF	Met Requirements	PHRMP Status
FOX002FO	Foxton	2,700	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
FOX003FO	Foxton Beach	1,900	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
LEV001LE	Levin	20,000	Large	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
SHA001SH	Shannon	1,436	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
ТОКОО2ТО	Tokomaru	550	Minor	Local Authority	$\checkmark$	$\checkmark$	×	$\checkmark$	$\checkmark$	$\checkmark$	n/a	No	Implementing
Kapiti Coas	st District												
Zone Code	Distribution Zone	Population	Size	Туре	69S	69U	69Y	69Z	69ZD	69ZE	69ZF	Met Requirements	PHRMP Status
HAU003HA	Hautere	700	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
OTA003OT	Otaki	4,700	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
OTA003WA	Waitohu	1,000	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
PAE002PA	Paekakariki	1,665	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
WAI010PA	Paraparaumu/Raumati	25,200	Large	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
WAI010WA	Waikanae	10,600	Large	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
Upper Hut	t City												
Zone Code	Distribution Zone	Population	Size	Туре	69S	69U	69Y	69Z	69ZD	69ZE	69ZF	Met Requirements	PHRMP Status
UPP001PI	Pinehaven	3,090	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
UPP001UP	Upper Hutt Central	31,560	Large	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
The Hutt C	ity												
Zone Code	Distribution Zone	Population	Size	Туре	69S	69U	69Y	69Z	69ZD	69ZE	69ZF	Met Requirements	PHRMP Status
LOW001EA	Eastbourne	4,704	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
LOW001HA	Haywards	372	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
LOW001LO	Lower Hutt	56,103	Large	Local Authority	$\checkmark$	Yes	Implementing						
LOW001PE	Petone	8,034	Medium	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
LOW001ST	Stokes Valley	9,198	Medium	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
LOW001WA	Wainuiomata	17,058	Large	Local Authority	$\checkmark$	Yes	Implementing						

Health Act	699	S Provision of drinking water	69U	Source protection	69Y Monitoring	69Z	Water safety plans	69ZD Records	69ZE Complaints	69ZF Remedial action
Mini Key	$\checkmark$	Met requirements	х	Failed requirements	n/a Not applicable	NR	Not met, not required ye	t		

#### Porirua City

Zone Code	Distribution Zone	Population	Size	Туре	69S	69U	69Y	69Z	69ZD	69ZE	69ZF	Met Requirements	PHRMP Status
JUD001JU	Judgeford	200	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
POR001MA	Mana/Plimmerton/Paremata	5,184	Medium	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
POR001PH	Porirua High Level	15,398	Large	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
POR001PL	Porirua Low Level	16,924	Large	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
POR001PU	Pukerua Bay	1,656	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
POR001WH	Whitby	7,282	Medium	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
Wellington	City												
Zone Code	Distribution Zone	Population	Size	Туре	69S	69U	69Y	69Z	69ZD	69ZE	69ZF	Met Requirements	PHRMP Status
WEL002BR	Brooklyn	9,765	Medium	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
NEL002CH	Churton	4,446	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
WEL002EA	Eastern Wellington	16,815	Large	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
WEL002JO	Johnsonville	18,357	Large	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementin
NEL002KA	Karori	13,146	Large	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementin
NELOO2KE	Kelburn	9,924	Medium	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementin
VEL002ON	Onslow	11,883	Large	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementin
WEL002SO	Southern Wellington	30,024	Large	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
WEL002TA	Tawa	12,903	Large	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
WEL002WA	Wadestown	6,789	Medium	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
WEL002WE	Wellington Central	31,074	Large	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
Masterton	District												
Zone Code	Distribution Zone	Population	Size	Туре	69S	69U	69Y	69Z	69ZD	69ZE	69ZF	Met Requirements	PHRMP Statu
ER001FE	Fernridge	320	Small	Communal	$\checkmark$	Yes	Implementing						
MAS002MA	Masterton	19,000	Large	Local Authority	$\checkmark$	Yes	Implementing						
OPA001OP	Opaki	680	Minor	Communal	$\checkmark$	$\checkmark$	$\checkmark$	×	$\checkmark$	$\checkmark$	n/a	No	Approved
FIN002TI	Tinui	120	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementin
WAI058WA	Wainuioru Rural Water	184	Small	Communal	х	$\checkmark$	×	NR	$\checkmark$	$\checkmark$	n/a	No	Draft
Carterton D	District												
Zone Code	Distribution Zone	Population	Size	Туре	69S	69U	69Y	69Z	69ZD	69ZE	69ZF	Met Requirements	PHRMP Statu
CAR001CA	Carterton	4,200	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	×	$\checkmark$	$\checkmark$	n/a	No	Approved

South Wair	rarapa District												
Zone Code	Distribution Zone	Population	Size	Туре	69S	69U	69Y	69Z	69ZD	69ZE	69ZF	Met Requirements	PHRMP Status
FEA001FE	Featherston	2,580	Minor	Local Authority	$\checkmark$	$\checkmark$	×	$\checkmark$	$\checkmark$	$\checkmark$	n/a	No	Implementing
GRE002GR	Greytown	1,952	Minor	Local Authority	$\checkmark$	$\checkmark$	×	$\checkmark$	$\checkmark$	$\checkmark$	n/a	No	Implementing
MAR003MA	Martinborough	1,505	Minor	Local Authority	$\checkmark$	$\checkmark$	×	$\checkmark$	$\checkmark$	$\checkmark$	n/a	No	Implementing
Nelson City	1												
Zone Code	Distribution Zone	Population	Size	Туре	69S	69U	69Y	69Z	69ZD	69ZE	69ZF	Met Requirements	PHRMP Status
GLE013GL	Glenwood	150	Small	Communal	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	×	No	Implementing
NEL001NL	Nelson	49,740	Large	Local Authority	$\checkmark$	Yes	Implementing						
Tasman Dis	strict												
Zone Code	Distribution Zone	Population	Size	Туре	69S	69U	69Y	69Z	69ZD	69ZE	69ZF	Met Requirements	PHRMP Status
APP002AP	Appleby Hills	250	Small	Communal	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
CEN002CT	Central Takaka	125	Small	Communal	$\checkmark$	×	×	NR	NR	$\checkmark$	n/a	No	Draft
COL007CO	Collingwood	450	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
DOV001DO	Dovedale Rural	450	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	NR	$\checkmark$	$\checkmark$	$\checkmark$	Yes	Draft
EIG001EI	Eighty Eight Valley Rural	200	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	NR	$\checkmark$	$\checkmark$	n/a	Yes	Draft
HOP001HO	Hope/Brightwater	2,730	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
KAI015KA	Kaiteriteri	300	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	NR	$\checkmark$	$\checkmark$	n/a	Yes	Draft
LAK013LA	Lake Rotoiti	200	Small	DOC	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
LOW006LO	Lower Moutere Scheme 1	450	Small	Communal	$\checkmark$	×	×	NR	NR	$\checkmark$	n/a	No	Draft
MAP003MR	Mapua Rise	192	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	NR	$\checkmark$	$\checkmark$	n/a	Yes	Draft
MOT001MO	Motueka	1,200	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
MUR001MU	Murchison	490	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
POH001PV	Pohara	150	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	NR	$\checkmark$	$\checkmark$	n/a	Yes	Draft
RED001R1	Redwood Valley 1	180	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	NR	$\checkmark$	$\checkmark$	n/a	Yes	Draft
RED003R2	Redwood Valley 2	370	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	NR	$\checkmark$	$\checkmark$	n/a	Yes	Draft
RIC002RI	Richmond	10,500	Large	Local Authority	$\checkmark$	Yes	Implementing						
RIC002WI	Waimea Industrial	1,800	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
TAP003TA	Tapawera	400	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	NR	$\checkmark$	$\checkmark$	n/a	Yes	Redrafting
WAI023MR	, Mapua Ruby Bay	2,500	Minor	, Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
WAK001WA		1,500	Minor	, Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing

Health Act	69	8 Provision of drinking water	69U	Source protection	69Y Monitoring	69Z Water safety plans	69ZD Records	69ZE Complaints	69ZF Remedial action
Mini Key	$\checkmark$	Met requirements	х	Failed requirements	n/a Not applicable	NR Not met, not required ye	t		

#### Marlborough District

	0												
Zone Code	Distribution Zone	Population	Size	Туре	69S	69U	69Y	69Z	69ZD	69ZE	69ZF	Met Requirements	PHRMP Status
BLE001BL	Blenheim	24,028	Large	Local Authority	$\checkmark$	Yes	Implementing						
HAV002HA	Havelock	618	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
PIC001PI	Picton/Waikawa	4,185	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
RAR001RA	Rarangi	160	Small	Communal	$\checkmark$	$\checkmark$	$\checkmark$	NR	$\checkmark$	$\checkmark$	n/a	Yes	Draft
REN001RE	Renwick	1,884	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
RIV002RI	Riverlands Industrial Estate	740	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
SED001DA	Dashwood Rural	333	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
SED001SE	Seddon, Awatere Valley	1,000	Minor	Local Authority	$\checkmark$	$\checkmark$	×	$\checkmark$	$\checkmark$	$\checkmark$	n/a	No	Implementing
WAI034WA	Wairau Valley	160	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	NR	$\checkmark$	$\checkmark$	n/a	Yes	Draft
WAR003WA	Ward	250	Small	Communal	$\checkmark$	$\checkmark$	×	NR	$\checkmark$	$\checkmark$	n/a	No	Not Started
WOO004WO	O Woodbourne RNZAF Base	1,500	Minor	Government Other	$\checkmark$	$\checkmark$	$\checkmark$	×	$\checkmark$	$\checkmark$	n/a	No	Redrafting
Buller Distr	rict												
Zone Code	Distribution Zone	Population	Size	Туре	69S	69U	69Y	69Z	69ZD	69ZE	69ZF	Met Requirements	PHRMP Status
HEC001HE	Hector	300	Small	Local Authority	$\checkmark$	$\checkmark$	×	$\checkmark$	$\checkmark$	$\checkmark$	n/a	No	Implementing
HEC001NG	Ngakawau	135	Small	Local Authority	$\checkmark$	$\checkmark$	×	$\checkmark$	$\checkmark$	$\checkmark$	n/a	No	Implementing
LIT003LI	Little Wanganui	150	Small	Local Authority	$\checkmark$	$\checkmark$	×	NR	$\checkmark$	$\checkmark$	n/a	No	Approved
PUN001PU	Punakaiki	230	Small	Local Authority	$\checkmark$	Yes	Implementing						
REE001RE	Reefton	951	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
WAI001WA	Waimangaroa	300	Small	Local Authority	$\checkmark$	$\checkmark$	×	$\checkmark$	$\checkmark$	$\checkmark$	n/a	No	Implementing
WES001CA	Carters Beach	357	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
WES001WE	Westport	4,617	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
Grey Distric	ct												
Zone Code	Distribution Zone	Population	Size	Туре	69S	69U	69Y	69Z	69ZD	69ZE	69ZF	Met Requirements	PHRMP Status
BLA001BL	Blackball	280	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
GRE001CO	Cobden	1,650	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
GRE001DO	Dobson	430	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
GRE001GM	Greymouth	5,950	Medium	Local Authority	$\checkmark$	Yes	Implementing						
GRE001TA	Taylorville	190	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
RUN001RU	Runanga	1,190	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$		$\checkmark$	$\checkmark$	$\checkmark$	Yes	Implementing

#### Westland District

one Code	Distribution Zone	Population	Size	Туре	69S	69U	69Y	69Z	69ZD	69ZE	69ZF	Met Requirements	PHRMP Statu
OX001FO	Fox Glacier	252	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
RA001FR	Franz Josef	2,611	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementin
AR001HA	Harihari	348	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	Yes	Implementin
IOK001HO	Hokitika	3,447	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementin
UM001KU	Kumara	318	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	Yes	Implementin
ROS001RO	Ross Township	291	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementin
WHA002WH	Whataroa	405	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementin
(aikoura Di	istrict												
one Code	Distribution Zone	Population	Size	Туре	69S	69U	69Y	69Z	69ZD	69ZE	69ZF	Met Requirements	PHRMP Statu
ER003FE	Fernleigh Rural Water Supply	150	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementin
AI004KU	Kaikoura Urban	2,500	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementin
AI021EA	Kaikoura East Coast Rural	150	Small	Local Authority	$\checkmark$	$\checkmark$	×	$\checkmark$	$\checkmark$	$\checkmark$	n/a	No	Implementin
IN003KI	Kincaid Rural Water Supply	120	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	NR	$\checkmark$	$\checkmark$	n/a	Yes	Redrafting
DAR001OA	Oaro	400	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementin
CE002OC	Ocean Ridge	500	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	NR	$\checkmark$	$\checkmark$	n/a	Yes	Draft
	-												
Hurunui Dis	strict			,									
lurunui Dis	strict Distribution Zone	Population	Size	Туре	69S	69U	69Y	69Z	69ZD	69ZE	69ZF	Met Requirements	PHRMP State
<b>lurunui Dis</b> cone Code		Population 1,578			69S √	69U ✓	69Y ✓	69Z √	69ZD ✓	69ZE ✓		Met Requirements Yes	
<b>lurunui Dis</b> one Code MB001AT	Distribution Zone	•	Size	Туре							69ZF	•	Implementin
<b>lurunui Dis</b> one Code MB001AT MB001BE	Distribution Zone Amberley Town	1,578 343	Size Minor	Type Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	69ZF ✓	Yes	Implementin Implementin
<b>lurunui Dis</b> one Code MB001AT MB001BE MU001RO	Distribution Zone Amberley Town Amberley Beach	1,578 343	Size Minor Small	Type Local Authority Local Authority	√ √	$\checkmark$	$\checkmark$	√ √	√ √	$\checkmark$	69ZF ✓ ×	Yes No	Implementir Implementir Implementir
lurunui Dis one Code MB001AT MB001BE MU001RO SH002AS	Distribution Zone Amberley Town Amberley Beach Rotherham Township and Rura	1,578 343 al 699	Size Minor Small Minor	Type Local Authority Local Authority Local Authority	$\checkmark$	✓ ✓ ✓	✓ ✓ ✓	√ √ √	√ √ √	✓ ✓ ✓	69ZF ✓ × ✓	Yes No Yes	Implementin Implementin Implementin Implementin
lurunui Dis one Code MB001AT MB001BE MU001RO SH002AS SH002LB	Distribution Zone Amberley Town Amberley Beach Rotherham Township and Rura Ashley/Sefton/Loburn	1,578 343 al 699 4,527	Size Minor Small Minor Minor	Type Local Authority Local Authority Local Authority Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	✓ ✓ ✓ ✓	$\checkmark$	$\checkmark$	69ZF ✓ ✓ ✓ n/a	Yes No Yes Yes	Implementin Implementin Implementin Implementin Implementin
lurunui Dis one Code MB001AT MB001BE MU001RO SH002AS SH002LB SH002LE	Distribution Zone Amberley Town Amberley Beach Rotherham Township and Rura Ashley/Sefton/Loburn Leithfield Beach	1,578 343 al 699 4,527 402	Size Minor Small Minor Minor Small	Type Local Authority Local Authority Local Authority Local Authority Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	69ZF ✓ ✓ √ n/a n/a	Yes No Yes Yes Yes	Implementir Implementir Implementir Implementir Implementir Implementir
lurunui Dis one Code MB001AT MB001BE MU001RO SH002AS SH002LB SH002LE AL003BA	Distribution Zone Amberley Town Amberley Beach Rotherham Township and Rura Ashley/Sefton/Loburn Leithfield Beach Leithfield	1,578 343 al 699 4,527 402 903	Size Minor Small Minor Minor Small Minor	Type Local Authority Local Authority Local Authority Local Authority Local Authority Local Authority	$\checkmark$	✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓				69ZF ✓ ✓ n/a n/a n/a	Yes No Yes Yes Yes Yes	Implementin Implementin Implementin Implementin Implementin Implementin
lurunui Dis one Code MB001AT MB001BE MU001RO SH002AS SH002LB SH002LE AL003BA RO016BR	Distribution Zone Amberley Town Amberley Beach Rotherham Township and Rura Ashley/Sefton/Loburn Leithfield Beach Leithfield Balmoral Rural	1,578 343 al 699 4,527 402 903 273	Size Minor Small Minor Minor Small Minor Small	Type Local Authority Local Authority Local Authority Local Authority Local Authority Local Authority Local Authority	√ √ √ √ √	✓ ✓ ✓ ✓ ✓	$\checkmark$				69ZF ✓ ✓ n/a n/a n/a n/a	Yes No Yes Yes Yes Yes Yes	Implementir Implementir Implementir Implementir Implementir Implementir Implementir
lurunui Dis one Code MB001AT MB001BE MU001RO SH002AS SH002LB SH002LE AL003BA RO016BR HE001CT	Distribution Zone Amberley Town Amberley Beach Rotherham Township and Rura Ashley/Sefton/Loburn Leithfield Beach Leithfield Balmoral Rural Broomfield	1,578 343 al 699 4,527 402 903 273 565	Size Minor Small Minor Small Minor Small Minor	Type Local Authority Local Authority Local Authority Local Authority Local Authority Local Authority Local Authority Local Authority			✓ ✓ ✓ ✓ ✓ ✓				69ZF × √ n/a n/a n/a n/a n/a	Yes No Yes Yes Yes Yes Yes Yes	Implementir Implementir Implementir Implementir Implementir Implementir Implementir Implementir
lurunui Dis one Code MB001AT MB001BE MU001RO SH002AS SH002LB SH002LE AL003BA RO016BR HE001CT UL001CU	Distribution Zone Amberley Town Amberley Beach Rotherham Township and Rura Ashley/Sefton/Loburn Leithfield Beach Leithfield Balmoral Rural Broomfield Cheviot Town	1,578 343 al 699 4,527 402 903 273 565 795	Size Minor Small Minor Small Minor Small Minor Minor Minor	Type Local Authority Local Authority Local Authority Local Authority Local Authority Local Authority Local Authority Local Authority Local Authority	✓ ✓ ✓ ✓ ✓ ✓ ✓		$\begin{array}{c} \checkmark \\ \checkmark $	<ul> <li></li> &lt;</ul>			69ZF × √ n/a n/a n/a n/a n/a n/a	Yes No Yes Yes Yes Yes Yes Yes Yes	Implementir Implementir Implementir Implementir Implementir Implementir Implementir Implementir
Aurunui Dis one Code MB001AT MB001BE MU001RO SH002AS SH002LB SH002LE AL003BA RO016BR CHE001CT CUL001CU AN001HA	Distribution Zone Amberley Town Amberley Beach Rotherham Township and Rura Ashley/Sefton/Loburn Leithfield Beach Leithfield Balmoral Rural Broomfield Cheviot Town Culverden	1,578 343 al 699 4,527 402 903 273 565 795 366	Size Minor Small Minor Small Minor Small Minor Minor Small	Type Local Authority Local Authority Local Authority Local Authority Local Authority Local Authority Local Authority Local Authority Local Authority Local Authority	✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓	<ul> <li></li> &lt;</ul>	✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓			√ √ √ √ √ √ √ √	69ZF × √ n/a n/a n/a n/a n/a n/a	Yes No Yes Yes Yes Yes Yes Yes Yes Yes	Implementir Implementir Implementir Implementir Implementir Implementir Implementir Implementir Implementir
Aurunui Dis one Code MB001AT MB001BE MU001RO SH002AS SH002LB SH002LB SH002LE AL003BA RO016BR CHE001CT CUL001CU AN001HA AW001HW	Distribution Zone Amberley Town Amberley Beach Rotherham Township and Rura Ashley/Sefton/Loburn Leithfield Beach Leithfield Balmoral Rural Broomfield Cheviot Town Culverden Hanmer Town	1,578 343 al 699 4,527 402 903 273 565 795 366 948	Size Minor Small Minor Small Minor Small Minor Small Minor Small Minor	Type Local Authority Local Authority			✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓				69ZF × √ n/a n/a n/a n/a n/a n/a n/a	Yes No Yes Yes Yes Yes Yes Yes Yes Yes Yes	Implementir Implementir Implementir Implementir Implementir Implementir Implementir Implementir Implementir Implementir
Hurunui Dis Zone Code AMB001AT AMB001BE AMU001RO ASH002AS ASH002LB ASH002LE BAL003BA BRO016BR CHE001CT CUL001CU HAN001HA	Distribution Zone Amberley Town Amberley Beach Rotherham Township and Rura Ashley/Sefton/Loburn Leithfield Beach Leithfield Balmoral Rural Broomfield Cheviot Town Culverden Hanmer Town Hawarden/Waikari	1,578 343 al 699 4,527 402 903 273 565 795 366 948 753	Size Minor Small Minor Small Minor Small Minor Small Minor Small Minor Minor Minor	Type Local Authority Local Authority			✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓				69ZF × √ n/a n/a n/a n/a n/a n/a n/a n/a	Yes No Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes	PHRMP State Implementin Implementin Implementin Implementin Implementin Implementin Implementin Implementin Implementin Implementin Implementin Implementin Implementin

Health Act	69S Provision of drinking	water 69U Source protection	69Y Monitoring	69Z Water safety plans	69ZD Records	69ZE Complaints	69ZF Remedial action
Mini Key	✓ Met requirements	× Failed requirement	s n/a Not applicable	NR Not met, not required	d yet		

Zone Code	Distribution Zone	Population	Size	Туре	69S	69U	69Y	69Z	69ZD	69ZE	69ZF	Met Requirements	PHRMP Status
PAR009PA	Parnassus Rural	210	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
WAI026WT	Waiau Township	255	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
WAI066UP	Waitohi Upper, Waipara	513	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	×	No	Implementing
WAI067WA	Waiau Rural	435	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
WAI068WA	Waipara Township	285	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
Waimakari	ri District												
Zone Code	Distribution Zone	Population	Size	Туре	69S	69U	69Y	69Z	69ZD	69ZE	69ZF	Met Requirements	PHRMP Status
CUS001CU	Cust	343	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
FER002FE	Fernside	210	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
GAR001GA	Garrymere	105	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
KAI003KA	Кајарој	12,168	Large	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
MAN009MA	Mandeville	2,023	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
OHO0010H	Ohoka	218	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	NR	$\checkmark$	$\checkmark$	n/a	Yes	Approved
OXF101OX	Oxford Rural No1	775	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
OXF102OR	Oxford Rural No2	773	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
OXF103OX	Oxford Urban	2,173	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
PEG001PE	Pegasus	4,005	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
POY001PO	Poyntz Road	205	Small	, Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
RAN001RA	Rangiora	17,130	Large	, Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
WAI011KI	Waikuku Beach	1,150	Minor	, Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
WES004SU	Summerhill	428	Small	, Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
	West Eyreton	168	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
	) Woodend Town	2,678	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
Christchurc	h City												
Zone Code	Distribution Zone	Population	Size	Туре	69S	69U	69Y	69Z	69ZD	69ZE	69ZF	Met Requirements	PHRMP Status
AKA001AK	Akaroa	1,350	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
BIR001BI	Birdlings Flat	150	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
BRO012BR	Brooklands / Kainga	1,600	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
CHR001CE	Central Christchurch	185,000	Large	Local Authority	×	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	√	No	Implementing
CHR001PA	Parklands	16,000	Large	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
CHR001RI	Riccarton	10,000	Medium	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
CHR001RP	Rocky Point	2,500	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
CHR001WE	West Christchurch	42,000	Large	Local Authority	×	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	No	Implementing
CHR002CI	Christchurch Int. Airport	6,000	Medium	Private Other	$\checkmark$	√	×	×	✓	✓	n/a	No	Approved
DUV001DU	Duvauchelle	250	Small	Local Authority	✓	✓	√ √	$\checkmark$	$\checkmark$	✓	n/a	Yes	Implementing
LITO01LI	Little River	230	Small	Local Authority	√	~	√	• •	√	✓	n/a	Yes	Implementing
LYT001DI	Diamond Harbour	1,200	Minor	Local Authority	• •	• •	• •			• •	n/a	Yes	Implementing
LITOUTDI		1,200	WIIIO	Local Authonity	•	•	•	•	•	·	Π/a	163	implementing

Zone Code	Distribution Zone	Population	Size	Туре	69S	69U	69Y	69Z	69ZD	69ZE	69ZF	Met Requirements	PHRMP Status
LYT001GO	Governors Bay	750	Minor	Local Authority	$\checkmark$	Yes	Implementing						
LYT001LY	Lyttelton	2,500	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
NOR012CH	Northwest Christchurch	80,000	Large	Local Authority	×	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	No	Implementing
OKA010OK	Okains Bay	105	Small	Communal	×	×	×	NR	NR	×	n/a	No	Draft
TAK002TA	Takamatua	150	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
WAI138WA	Wainui	200	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
WAT006WB	Waterloo Business Pk, Stage 1	400	Small	Private Other	×	×	×	$\checkmark$	NR	×	n/a	No	Implementing
Selwyn Dist	trict												
Zone Code	Distribution Zone	Population	Size	Туре	69S	69U	69Y	69Z	69ZD	69ZE	69ZF	Met Requirements	PHRMP Status
ART002AR	Arthurs Pass	350	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
BUR001BU	Burnham Camp	2,000	Minor	Government Other	$\checkmark$	Yes	Implementing						
CAS003CA	Castle Hill	299	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
CLA005CL	Claremont	170	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
DAR001DA	Darfield	3,520	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
DUN008DU	Dunsandel & Sherwood Estate	480	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
EDE002ED	Edendale, Sandy Knolls	180	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
JOH001JO	Johnson Rd, West Melton	160	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
KIR001KI	Kirwee	1,207	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
LAK007LA	Lake Coleridge	148	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
LEE001LE	Leeston	2,350	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
LIN002LI	Lincoln	5,400	Medium	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
MAL001DA	Dalethorpe	183	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
MAL001MA	Malvern Hills, Hartleys Rd	1,409	Minor	Local Authority	$\checkmark$	Yes	Implementing						
PRE001PR	Prebbleton	3,906	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
RAK003RA	Rakaia Huts	313	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
ROL001RO	Rolleston	15,047	Large	Local Authority	$\checkmark$	Yes	Implementing						
SEL001AC	Acheron	240	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
SEL001HO	Hororata	920	Minor	Local Authority	$\checkmark$	Yes	Implementing						
SHE004SH	Sheffield/Waddington	585	Minor	Local Authority	$\checkmark$	Yes	Implementing						
SOU001SO	Southbridge	992	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
SPR002SP	Springfield	520	Minor	Local Authority	$\checkmark$	Yes	Implementing						
SPR003SP	Springston	510	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
TAI009TA	Tai Tapu	606	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
	West Melton	1,800	Minor	, Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing

Health Act	69S Provision of drinking water	69U Source protection	69Y Monitoring	69Z Water safety plans	69ZD Records	69ZE Complaints	69ZF Remedial action
Mini Key	<ul> <li>Met requirements</li> </ul>	× Failed requirements	n/a Not applicable	NR Not met, not required ye	t		

#### Ashburton District

Zone Code	Distribution Zone	Population	Size	Туре	69S	69U	69Y	69Z	69ZD	69ZE	69ZF	Met Requirements	PHRMP Status
ASH003AS	Ashburton	18,500	Large	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
CHE002CH	Chertsey	230	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
FAI001FA	Fairton	210	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
HAK001HH	Hakatere Upper	110	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
HIG002HI	Highbank Society Water Supply	/ 220	Small	Communal	$\checkmark$	$\checkmark$	×	$\checkmark$	$\checkmark$	$\checkmark$	n/a	No	Implementing
HIN001HI	Hinds	340	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
LYN002LY	Lyndhurst	250	Small	Private Other	$\checkmark$	$\checkmark$	×	$\checkmark$	$\checkmark$	$\checkmark$	n/a	No	Implementing
MAY001MA	Mayfield	160	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
MET001ME	Methven	1,700	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
MET002MS	Methven/Springfield	178	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
MTS001MS	Mt Somers Township	260	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
RAK001RA	Rakaia Township	1,100	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
Timaru Dist	trict												
Zone Code	Distribution Zone	Population	Size	Туре	69S	69U	69Y	69Z	69ZD	69ZE	69ZF	Met Requirements	PHRMP Status
ARO002AO	Arowhenua	215	Small	Private Other	$\checkmark$	$\checkmark$	×	NR	$\checkmark$	$\checkmark$	n/a	No	Draft
DOW001ST	Sutherlands/Taiko	3,500	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
DOW001WR	Waimate Rural	350	Small	Local Authority	$\checkmark$	Yes	Implementing						
DOW001WT	Waitohi/Totara Valley	700	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
GER001GE	Geraldine	2,121	Minor	Local Authority	$\checkmark$	Yes	Implementing						
HAD001HA	Hadlow	312	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
PAR002PA	Pareora	450	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
PEE001PF	Peel Forest	130	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
PLE001PP	Pleasant Point	1,200	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
SEA001SE	Seadown	750	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
STA004ST	St Andrews	280	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
TEM001OR	Orari	180	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
TEM001TE	Temuka	3,984	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
TEM001WI	Winchester	260	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
	Geraldine Downs	450	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
TEM002GD			Small	, Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	✓	Yes	Implementing
	Geraldine Flat	200								,			-
TEM002GF	Geraldine Flat Te Moana	200 1,000	Minor	, Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
TEM002GD TEM002GF TEM002TE TIM001GL				Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a n/a	Yes Yes	Implementing Implementing

#### **Mackenzie District**

	ealth Act 69S Provision of drinking water 69U Sour			69Y Monitoring	C07	Water s	<b>c</b>			Records	co=-	Complaints 69Z	Remedial action
AM001RR	Oamaru, Reservoir Road	768	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
AM001NE	Oamaru, North End	2,234	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
AM001KA	Oamaru, Kakanui	520	Minor	Local Authority	$\checkmark$	$\checkmark$	×	$\checkmark$	$\checkmark$	$\checkmark$	n/a	No	Implementing
AM001CE	Oamaru, Central	4,622	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
AM001AR	Oamaru, Ardgowan	252	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
IAH001MA	Maheno	152	Small	Communal	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementin
OW004LO	Lower Waitaki	778	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementin
UR001KU	Kurow Township	330	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementin
AU001KA	Kauru Hill	197	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	NR	$\checkmark$	$\checkmark$	n/a	Yes	Draft
ER001HE	Herbert	670	Minor	Local Authority	$\checkmark$	$\checkmark$	×	$\checkmark$	$\checkmark$	$\checkmark$	n/a	No	Implementin
AM002MO	Moeraki	264	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementin
AM002HA	Hampden	237	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementin
WA001AW	Awamoko	399	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	NR	$\checkmark$	$\checkmark$	n/a	Yes	Not Started
one Code	Distribution Zone	Population	Size	Туре	69S	69U	69Y	69Z	69ZD	69ZE	69ZF	Met Requirements	PHRMP Statu
Vaitaki Dis	trict												
/AI033WA	Waimate	3,000	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementin
/AI032WA	Waikakahi	360	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	NR	$\checkmark$	$\checkmark$	n/a	Yes	Redrafting
/AI031WA	Waihaorunga	141	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	NR	$\checkmark$	$\checkmark$	n/a	Yes	Redrafting
TA005OM	Otaio/Makikihi	430	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	Yes	Implementin
OW002LO	Lower Waihao	600	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementin
00001HW	Hook/Waituna	1,350	Minor	Local Authority	$\checkmark$	$\checkmark$	×	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	No	Implementin
AK002HA	Hakataramea	165	Small	Communal	$\checkmark$	$\checkmark$	$\checkmark$	NR	$\checkmark$	$\checkmark$	×	No	Draft
AN001CM	Cannington/Motukaika	120	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	NR	$\checkmark$	$\checkmark$	$\checkmark$	Yes	Redrafting
<b>Vaimate D</b> one Code	istrict Distribution Zone	Population	Size	Туре	69S	69U	69Y	69Z	69ZD	69ZE	69ZF	Met Requirements	PHRMP Statu
		1,500	Minor		v	v	~	v	v	v	n/a	NO	Implementin
EK005TE WI001TW	Tekapo Twizel	500 1,300	Small	Local Authority Local Authority	<b>v</b> √	v √	×	NK √	v √	v √		No No	Redrafting
ATCO01MT	Mt Cook	350	Small		<b>v</b> √	v √	v √	NR	v √	v √	×	Yes	Implementin
		150	Small	Local Authority DOC	v √	v √	v √	v √	v √	v √	n/a √	Yes	Implementin
AI002FA	Fairlie Kimbell	850	Minor	Local Authority	v √	v √	v √	v √	v √	v √		No	Implementir
LLOO1AL	Allandale	150	Small	Local Authority	v √	v √	v √	NR √	v √	$\checkmark$	n/a ×	Yes	Not Started
LB001AL	Albury Rural	125	Small	Communal	$\checkmark$	$\checkmark$	× √	NR	$\checkmark$	<b>√</b>	×	No	Draft

 Mini Key
 ✓
 Met requirements
 ×
 Failed requirements
 n/a
 Not applicable
 NR
 Not met, not required yet

Zone Code Distributi	on Zone	Population	Size	Туре	69S	69U	69Y	69Z	69ZD	69ZE	69ZF	Met Requirements	PHRMP Status
OAM001SH Oamaru,	South Hill	3,933	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
OAM001WE Oamaru,	Weston - Enfield	2,061	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
OMA001OM Omarama	a Town	270	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
OTE001OT Otemata	ta Hydro Village	195	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	NR	$\checkmark$	$\checkmark$	$\checkmark$	Yes	Draft
TOK003TL Tokarahi,	<sup>/</sup> Livingstone	573	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	×	$\checkmark$	$\checkmark$	n/a	No	Not Started
WAI215DU Waihemo	o, Dunback Rural	229	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
WAI215GO Waihemo	o, Goodwood Rural	270	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
WAI215PA Waihemo	o, Palmerston Town	858	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
WIN004WI Windsor		137	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	NR	$\checkmark$	$\checkmark$	n/a	Yes	Not Started
Central Otago Distric	t												
Zone Code Distributi	on Zone	Population	Size	Туре	69S	69U	69Y	69Z	69ZD	69ZE	69ZF	Met Requirements	PHRMP Status
ALE001AL Alexandra	а	5,000	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
ALE002BE Bennys		104	Small	Communal	×	×	×	NR	NR	×	n/a	No	Not Planned
CLY001CL Clyde Tov	wnship	1,000	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	×	$\checkmark$	$\checkmark$	n/a	No	Approved
CRO001BA Bannock	ourn	400	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	NR	$\checkmark$	$\checkmark$	n/a	Yes	Approved
CRO001CR Cromwel	l	4,000	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	×	$\checkmark$	$\checkmark$	n/a	No	Approved
EAR002EA Earnscleu	igh Water Scheme	120	Small	Private Other	$\checkmark$	$\checkmark$	×	NR	$\checkmark$	$\checkmark$	n/a	No	Draft
LAS003LA Last Char	nce	120	Small	Communal	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
MIL006MI Millers Fl	at	210	Small	Communal	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
NAS001NA Naseby		150	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	NR	$\checkmark$	$\checkmark$	n/a	Yes	Approved
OMA005OM Omakau		350	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	NR	$\checkmark$	$\checkmark$	n/a	Yes	Approved
PAT003PA Patearoa		260	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
PIS001PI Pisa Moo	rings	157	Small	Private Other	$\checkmark$	$\checkmark$	$\checkmark$	NR	$\checkmark$	$\checkmark$	n/a	Yes	Draft
PISO02PI Pisa Villa	ge	250	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	NR	$\checkmark$	$\checkmark$	n/a	Yes	Approved
RAN002RA Ranfurly		750	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
ROX001RO Roxburgh	1	700	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
Dunedin City													
Zone Code Distributi	on Zone	Population	Size	Туре	69S	69U	69Y	69Z	69ZD	69ZE	69ZF	Met Requirements	PHRMP Status
DUN001BO Booth Ro	ad, Dunedin	37,036	Large	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
DUN001GI Green Isla	and	10,199	Large	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
DUN001LL Low Leve	ls/Peninsula, Dunedin	n 37,726	Large	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
DUN001MH Maori Hil	I	13,785	Large	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
DUN001PC Port Chal	mers	2,469	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
DUN001WI Wingatui	, Dunedin	1,124	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
MOS001EA East Taie	ri	300	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
		_			,		,	,	,	,			

 $\checkmark$ 

 $\checkmark$ 

 $\checkmark$ 

MOS001KI Kinmont

341

Small

Local Authority

 $\checkmark$ 

 $\checkmark$ 

n/a

Yes

Implementing

 $\checkmark$ 

Zone Code	Distribution Zone	Population	Size	Туре	69S	69U	69Y	69Z	69ZD	69ZE	69ZF	Met Requirements	PHRMP Status
MOS001QH	Quarry Hill	9,535	Medium	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
OUT001OU	Outram Township	750	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
WAI015WK	Waikouaiti/Karitane/Seacliff	1,642	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
WES002WE	West Taieri Scheme	450	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
Clutha Dist	rict												
Zone Code	Distribution Zone	Population	Size	Туре	69S	69U	69Y	69Z	69ZD	69ZE	69ZF	Met Requirements	PHRMP Status
BAL001BA	Balclutha	3,918	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
CLY005CL	Clinton Township	285	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
CLY005RU	Clydevale-Pomahaka Rural	493	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
GLE001GK	Glenkenich Rural	705	Minor	Local Authority	$\checkmark$	$\checkmark$	×	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	No	Implementing
KAI005KA	Kaitangata Township	762	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
LAW001LT	Lawrence	417	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
MIL001MT	Milton	1,929	Minor	Local Authority	$\checkmark$	$\checkmark$	×	$\checkmark$	$\checkmark$	$\checkmark$	n/a	No	Implementing
MIL0010C	Otago Corrections Facility	600	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
MOA001MF	Moa Flat Rural	534	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
NOR003NB	North Bruce Rural	658	Minor	Local Authority	$\checkmark$	$\checkmark$	×	$\checkmark$	$\checkmark$	$\checkmark$	n/a	No	Implementing
NOR003WT	Waihola Township	270	Small	Local Authority	$\checkmark$	$\checkmark$	×	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	No	Implementing
OWA001OW	/ Owaka	303	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
RIC009KA	Kaka Point Township	222	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
RIC009NO	Richardson Rural North	312	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
RIC009SO	Richardson Rural South	469	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
STI002SB	South Bruce Rural	434	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
STI002ST	Stirling Township	303	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
TAP001TA	Tapanui	726	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	×	No	Implementing
TUA004TW	Tuapeka West Rural	283	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
WAI016B1	Balmoral 1 Rural	247	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
WAI016B2	Balmoral 2 Rural	399	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
WAI016TE	Tuapeka East Rural	276	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing

Health Act	69S Provision of drinking water	69U Source protection	69Y Monitoring	69Z Water safety plans	69ZD Records	69ZE Complaints	69ZF Remedial action
Mini Key	✓ Met requirements	× Failed requirements	n/a Not applicable	NR Not met, not required ye	t		

#### Queenstown Lakes District

Zone Code	Distribution Zone	Population	Size	Туре	69S	69U	69Y	69Z	69ZD	69ZE	69ZF	Met Requirements	PHRMP Status
ARR001AR	Arrowtown	3,587	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
ART001AP	Arthurs Point	1,248	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
CAM008CA	Camphill Estate	132	Small	Communal	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
GLE003GL	Glenorchy	1,232	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
HAW002HA	Hawea	2,444	Minor	Local Authority	$\checkmark$	Yes	Implementing						
JAC002JA	Jacks Point	600	Minor	Private Other	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
LAK003ES	Lake Hayes Est & Shotover Ctry	<i>i</i> 799	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
LAK003LH	Lake Hayes	1,697	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
LUG001LU	Luggate	855	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
QUE001KE	Kelvin Heights	4,400	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
QUE001QU	Queenstown	15,600	Large	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
WAN002AL	Albert Town	506	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
WAN002WA	Wanaka	9,608	Medium	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
WAN007WA	Wanaka Airport	150	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	NR	$\checkmark$	$\checkmark$	n/a	Yes	Draft
Gore Distrie	ct												
Zone Code	Distribution Zone	Population	Size	Туре	69S	69U	69Y	69Z	69ZD	69ZE	69ZF	Met Requirements	PHRMP Status
GOR001GO	Gore	7,480	Medium	Local Authority	$\checkmark$	Yes	Implementing						
MAT002MA	Mataura	1,790	Minor	Local Authority	$\checkmark$	Yes	Implementing						
OTA004OT	Otama	300	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	NR	$\checkmark$	$\checkmark$	n/a	Yes	Not Started
Invercargill	City												
Zone Code	Distribution Zone	Population	Size	Туре	69S	69U	69Y	69Z	69ZD	69ZE	69ZF	Met Requirements	PHRMP Status
INV001BL	Bluff	2,956	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
INV001IN	Invercargill City	47,500	Large	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing

Appendix 4. Requirements of the Health Act

#### Southland District

Zone Code	Distribution Zone	Population	Size	Туре	69S	69U	69Y	69Z	69ZD	69ZE	69ZF	Met Requirements	PHRMP Status
EDE001ED	Edendale	558	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
EDE001WY	Wyndham	594	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
LUM001BA	Lumsden/Balfour Rural	608	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
LUM001LU	Lumsden	453	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
MAN006MA	Manapouri	228	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
MIL007MI	Milford Sound	350	Small	Private Other	$\checkmark$	$\checkmark$	×	NR	$\checkmark$	$\checkmark$	×	No	Draft
MOS002MO	Mossburn	201	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
OHA009NI	Nightcaps	306	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
OHA009OH	Ohai	303	Small	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
OTA001OT	Otautau	798	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
RIV001RI	Riverton	1,506	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
TEA002TE	Te Anau	2,628	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
TUA001TU	Tuatapere	561	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing
WIN001WI	Winton	2,436	Minor	Local Authority	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	n/a	Yes	Implementing

Health Act	69S Provision of drinking water	69U Source protection	69Y Monitoring	69Z Water safety plans	69ZD Records	69ZE Complaints	69ZF Remedial action
Mini Key	✓ Met requirements	× Failed requirements	n/a Not applicable	NR Not met, not required ye	et		

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Column	Value is for	Meaning	Size	Population
Bacteria	Zone	Zone bacteria achievement with Standards (as in Appendix 1)	Large	10,001 or more
Protozoa	All plants for zone	Protozoal achievement for all plants (as in Appendix 1)	Medium	5,001 to 10,000
Chlorination	All plants for zone	Chlorination used for routine disinfection	Minor	501 to 5,000
CIO2	All plants for zone	Chlorine dioxide used for routine disinfection. (Note: none did so in 2016-2017)	Small	101 to 500
Ozone	All plants for zone	Ozone used for disinfection	Symbol or Entry	Meaning
UV	All plants for zone	UV treatment used for disinfection	√	Met section requirements
Any Disinfection	All plants for zone	Summary column. Disinfection process routinely used	×	Failed section requirements
Sources	All sources for zone	Sources are groundwater, surface water or mixed	All	All plants or sources serving the zone
Secure	All sources for zone	Sources are secure bore water	Some	Some plants or sources serving the zone
Disinfection/Secure	All sources and plants	Water is disinfected and/or secure bore water.	-	No plants or sources serving the zone

#### Whangarei District

Zone Code	Distribution Zone	Population	Size	Bacteria	Protozoa	Chlorination	CIO2	Ozone	UV	Any Disinfection	Sources	Secure	Disinfection/Secure
BRE001BR	Bream Bay	5,900	Medium	×	×	All	-	-	All	All	Surface	-	All
HUK001HU	Hukerenui School	150	Small	$\checkmark$	$\checkmark$	-	-	-	All	All	Groundwater	-	All
MAU002MA	Maungakaramea	200	Small	$\checkmark$	$\checkmark$	All	-	-	All	All	Groundwater	-	All
WHA007HE	Whangarei Heads	7,200	Medium	$\checkmark$	$\checkmark$	All	-	-	All	All	Mixed	-	All
WHA007HI	Hikurangi	1,330	Minor	$\checkmark$	$\checkmark$	All	-	-	All	All	Mixed	-	All
WHA007WH	Whangarei	48,000	Large	$\checkmark$	$\checkmark$	All	-	-	All	All	Mixed	-	All

#### Far North District

MAU001MA Maungaturoto

RUA001RU Ruawai

Zone Code	Distribution Zone	Population	Size	Bacteria	Protozoa	Chlorination	CIO2	Ozone	UV	Any Disinfection	Sources	Secure	Disinfection/Secure
CAR011CA	Carrington Estate	120	Small	$\checkmark$	$\checkmark$	-	-	-	All	All	Surface	-	All
DOU004EC	East Coast Bays	2,000	Minor	$\checkmark$	×	Some	-	-	Some	All	Mixed	-	All
KAI006KA	Kaikohe	4,000	Minor	$\checkmark$	$\checkmark$	All	-	-	All	All	Mixed	-	All
KAI006NG	Ngawha Springs	200	Small	$\checkmark$	$\checkmark$	All	-	-	All	All	Mixed	-	All
KAI008KA	Kaitaia	5,400	Medium	$\checkmark$	$\checkmark$	All	-	-	All	All	Surface	-	All
KAW002KA	Kawakawa	1,500	Minor	$\checkmark$	$\checkmark$	All	-	-	-	All	Groundwater	-	All
KAW002MO	Moerewa / Otiria	2,000	Minor	$\checkmark$	$\checkmark$	All	-	-	-	All	Groundwater	-	All
KER001KE	Kerikeri	6,200	Medium	$\checkmark$	$\checkmark$	All	-	-	All	All	Surface	-	All
KER001WA	Waipapa	500	Small	$\checkmark$	$\checkmark$	All	-	-	All	All	Surface	-	All
NGA046NG	Ngati Rehia Wai Trust	120	Small	×	×	All	-	-	All	All	Groundwater	-	All
OKA003OK	Okaihau	800	Minor	$\checkmark$	$\checkmark$	All	-	-	All	All	Groundwater	-	All
OMA002OM	Omapere	900	Minor	$\checkmark$	$\checkmark$	All	-	-	-	All	Surface	-	All
PAI001HA	Haruru Falls	1,000	Minor	$\checkmark$	$\checkmark$	All	-	-	All	All	Surface	-	All
PAI001OP	Opua	1,000	Minor	$\checkmark$	$\checkmark$	All	-	-	All	All	Surface	-	All
PAI001PA	Paihia	2,000	Minor	$\checkmark$	$\checkmark$	All	-	-	All	All	Surface	-	All
РАКООЗРА	Pakanae	160	Small	×	$\checkmark$	-	-	-	All	All	Surface	-	All
RAW001RA	Rawene	600	Minor	$\checkmark$	$\checkmark$	All	-	-	-	All	Surface	-	All
RUS004RU	Russell Township-Commercial	200	Small	$\checkmark$	$\checkmark$	-	-	-	All	All	Groundwater	-	All
WAI045WA	Waipapa, Lock	150	Small	$\checkmark$	$\checkmark$	-	-	-	All	All	Groundwater	-	All
WAI226WA	Waima Hapu Community	200	Small	×	×	-	-	-	All	All	Surface	-	All
WHI012WH	Whirinaki Water Board	400	Small	×	×	-	-	-	All	All	Surface	-	All
Kaipara Dis	trict												
Zone Code	Distribution Zone	Population	Size	Bacteria	Protozoa	Chlorination	CIO2	Ozone	UV	Any Disinfection	Sources	Secure	Disinfection/Secure
DAR002BB	Baylys Beach	228	Small	$\checkmark$	$\checkmark$	All	-	-	All	All	Surface	-	All
DAR002DT	Dargaville Town	4,455	Minor	$\checkmark$	$\checkmark$	All	-	-	All	All	Surface	-	All
KAI007KD	Kaihu-Dargaville	324	Small	×	×	-	-	-	-	-	Surface	-	-
MAN003MA	Mangawhai Heads	200	Small	$\checkmark$	×	All	-	-	All	All	Groundwater	-	All

-

-

All

All

All

-

-

-

Surface

Groundwater

All

All

-

-

All

All

900

426

Minor

Small

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#### Greater Auckland (Watercare)

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Zone Code	Distribution Zone	Population	Size	Bacteria	Protozoa	Chlorination	CIO2	Ozone	UV	Any Disinfection	Sources	Secure	Disinfection/Secure
AUC003AA	Auckland Airport	4,557	Minor	$\checkmark$	$\checkmark$	All	-	-	-	All	Surface	-	All
AUC003AU	Auckland	261,638	Large	$\checkmark$	$\checkmark$	All	-	-	-	All	Mixed	-	All
AUC003AZ	Anzac	3,445	Minor	$\checkmark$	$\checkmark$	All	-	-	-	All	Surface	-	All
AUC003BU	Buckland	609	Minor	$\checkmark$	$\checkmark$	All	-	-	-	All	Surface	-	All
AUC003CB	Central Business Dist.Auckland	14,590	Large	$\checkmark$	$\checkmark$	All	-	-	-	All	Mixed	-	All
AUC003CL	Clarks/Waiau Beach	1,332	Minor	$\checkmark$	$\checkmark$	All	-	-	-	All	Surface	-	All
AUC003EB	East Tamaki/Botany	36,914	Large	$\checkmark$	$\checkmark$	All	-	-	-	All	Surface	-	All
AUC003GL	Glenbrook Beach	393	Small	$\checkmark$	$\checkmark$	All	-	-	-	All	Surface	-	All
AUC003GN	Glen Eden/New Lynn	56,785	Large	$\checkmark$	$\checkmark$	All	-	-	-	All	Surface	-	All
AUC003HE	Henderson	125,916	Large	$\checkmark$	$\checkmark$	All	-	-	-	All	Surface	-	All
AUC003HH	High Head	4,000	Minor	$\checkmark$	$\checkmark$	All	-	-	-	All	Surface	-	All
AUC003HI	Hillsborough	62,355	Large	$\checkmark$	$\checkmark$	All	-	-	-	All	Mixed	-	All
AUC003HO	Howick/Pakuranga	94,803	Large	$\checkmark$	$\checkmark$	All	-	-	-	All	Surface	-	All
AUC003HT	Hilltop	947	Minor	$\checkmark$	$\checkmark$	All	-	-	-	All	Surface	-	All
AUC003HW	HBC/Waiwera	28,898	Large	$\checkmark$	$\checkmark$	All	-	-	-	All	Surface	-	All
AUC003KI	Kitchener	14,866	Large	$\checkmark$	$\checkmark$	All	-	-	-	All	Surface	-	All
AUC003LA	Laingholm	2,457	Minor	$\checkmark$	$\checkmark$	All	-	-	-	All	Surface	-	All
AUC003MA	Maungawhau	45,267	Large	$\checkmark$	$\checkmark$	All	-	-	-	All	Surface	-	All
AUC003MG	Mangere	71,629	Large	$\checkmark$	$\checkmark$	All	-	-	-	All	Surface	-	All
AUC003MO	Montana	4,615	Minor	$\checkmark$	$\checkmark$	All	-	-	-	All	Surface	-	All
AUC003MT	Mt Hobson	30,526	Large	$\checkmark$	$\checkmark$	All	-	-	-	All	Mixed	-	All
AUC003MW	Manurewa	72,305	Large	$\checkmark$	$\checkmark$	All	-	-	-	All	Surface	-	All
AUC003ON	Onehunga	27,101	Large	$\checkmark$	$\checkmark$	All	-	-	-	All	Groundwater	-	All
AUC003OP	Otara/Papatoetoe/Manukau C	ent. 58,441	Large	$\checkmark$	$\checkmark$	All	-	-	-	All	Surface	-	All
AUC003OR	Oratia	1,596	Minor	$\checkmark$	$\checkmark$	All	-	-	-	All	Surface	-	All
AUC003OT	Otahuhu	11,083	Large	$\checkmark$	$\checkmark$	All	-	-	-	All	Mixed	-	All
AUC003PT	Patumahoe	606	Minor	$\checkmark$	$\checkmark$	All	-	-	-	All	Surface	-	All
AUC003SO	North Shore Sth.	151,400	Large	$\checkmark$	$\checkmark$	All	-	-	-	All	Surface	-	All
AUC003SW	Swanson	4,540	Minor	$\checkmark$	$\checkmark$	All	-	-	-	All	Surface	-	All
AUC003TH	Te Henga	1,085	Minor	$\checkmark$	$\checkmark$	All	-	-	-	All	Surface	-	All
AUC003WE	North Shore West	71,300	Large	$\checkmark$	$\checkmark$	All	-	-	-	All	Surface	-	All
AUC003WH	Whenuapai	5,460	Medium	$\checkmark$	$\checkmark$	All	-	-	-	All	Surface	-	All
BOM003BO	Bombay	609	Minor	$\checkmark$	$\checkmark$	All	-	-	All	All	Groundwater	-	All

Zone Code	Distribution Zone	Population	Size	Bacteria	Protozoa	Chlorination	CIO2	Ozone	UV	Any Disinfection	Sources	Secure	Disinfection/Secure
BUR004BU	Burnside Road	352	Small	$\checkmark$	$\checkmark$	All	-	-	-	All	Surface	-	All
HEL005HP	Helensville/Parakai	4,579	Minor	$\checkmark$	$\checkmark$	All	-	-	-	All	Surface	-	All
HUI006HV	Huia Village	597	Minor	$\checkmark$	$\checkmark$	All	-	-	-	All	Surface	-	All
MUR011MU	Muriwai	563	Minor	$\checkmark$	$\checkmark$	All	-	-	All	All	Groundwater	-	All
PAP001PC	Papakura City	32,421	Large	$\checkmark$	$\checkmark$	All	-	-	-	All	Surface	-	All
PAP001RH	Red Hill	2,475	Minor	$\checkmark$	$\checkmark$	All	-	-	-	All	Surface	-	All
PAP001TA	Takanini	13,617	Large	$\checkmark$	$\checkmark$	All	-	-	-	All	Surface	-	All
SNE002SN	Snells/Algies	4,664	Minor	$\checkmark$	$\checkmark$	All	-	-	-	All	SecureGW	All	All
WAI214WA	Waiuku	8,697	Medium	$\checkmark$	$\checkmark$	All	-	-	All	All	Groundwater	Some	All
WAR006WA	Warkworth	4,111	Minor	$\checkmark$	$\checkmark$	All	-	-	All	All	Surface	-	All
WEL004WE	Wellsford/Te Hana	2,114	Minor	$\checkmark$	$\checkmark$	All	-	-	All	All	Surface	-	All

#### **Greater Auckland**

Zone Code	Distribution Zone	Population	Size	Bacteria	Protozoa	Chlorination	CIO2	Ozone	UV	Any Disinfection	Sources	Secure	Disinfection/Secure
BOM002BO	Bombay Motorway Services	200	Small	$\checkmark$	$\checkmark$	All	-	-	-	All	SecureGW	All	All
BRO015BP	Broadway Park, Newmarket	1,000	Minor	×	$\checkmark$	All	-	-	-	All	Mixed	-	All
HAR005HA	Haranui Whanau	200	Small	×	$\checkmark$	-	-	-	All	All	Groundwater	-	All
KEN005KP	Kensington Park	450	Small	$\checkmark$	$\checkmark$	All	-	-	-	All	SecureGW	All	All
KIN002KH	Kingseat Community	400	Small	$\checkmark$	$\checkmark$	All	-	-	-	All	SecureGW	All	All
MAT034MA	Matiatia Wharf	800	Minor	$\checkmark$	×	-	-	-	All	All	Groundwater	-	All
PIN003PI	Pine Harbour	150	Small	$\checkmark$	$\checkmark$	All	-	-	All	All	SecureGW	All	All
WAI197GL	Waiuku, Glenbrook Beach Roa	ad 200	Small	$\checkmark$	$\checkmark$	All	-	-	-	All	SecureGW	All	All

#### **Thames Coromandel District**

Zone Code	Distribution Zone	Population	Size	Bacteria	Protozoa	Chlorination	CIO2	Ozone	UV	Any Disinfection	Sources	Secure	Disinfection/Secure
COR001CO	Coromandel	1,657	Minor	×	×	All	-	-	All	All	Surface	-	All
HAH001HA	Hahei, Harsant Subdivision	457	Small	$\checkmark$	×	-	-	-	All	All	Groundwater	-	All
HAH003PA	Hahei, Pa Road	200	Small	×	×	-	-	-	-	-	Groundwater	-	-
MAT009MA	Matatoki	150	Small	×	×	-	-	-	-	-	Surface	-	-
MAT010MA	Matarangi	279	Small	$\checkmark$	×	All	-	-	-	All	Surface	-	All
ONE002ON	Onemana	170	Small	×	×	All	-	-	-	All	Groundwater	-	All
PAU001PA	Pauanui	747	Minor	$\checkmark$	×	-	-	-	All	All	Groundwater	-	All
PUR003PU	Puriri	150	Small	×	×	-	-	-	-	-	Surface	-	-
TAI002TA	Tairua	1,335	Minor	$\checkmark$	×	All	-	-	All	All	Surface	-	All
TEP007AP	Te Puru - Aputa Ave	200	Small	×	×	-	-	-	All	All	Surface	-	All
THA001TK	Thames - Kopu	7,657	Medium	$\checkmark$	×	All	-	-	-	All	Surface	-	All
WHA003WH	Whangamata	3,665	Minor	×	×	All	-	-	-	All	Groundwater	-	All
WHI001WH	Whitianga	4,115	Minor	$\checkmark$	×	All	-	-	-	All	Surface	-	All

#### Hauraki District

Zone Code	Distribution Zone	Population	Size	Bacteria	Protozoa	Chlorination	CIO2	Ozone	UV	Any Disinfection	Sources	Secure	Disinfection/Secure
KAI013KA	Kaimanawa	204	Small	$\checkmark$	×	All	-	-	-	All	Surface	-	All
KAR001KA	Karangahake	147	Small	$\checkmark$	×	All	-	-	-	All	Groundwater	-	All
KER005KE	Kerepehi	1,371	Minor	$\checkmark$	×	All	-	-	All	All	Surface	-	All
KER005TU	Turua	1,181	Minor	$\checkmark$	×	All	-	-	All	All	Surface	-	All
MAC003MA	Mackaytown	174	Small	×	×	All	-	-	-	All	Surface	-	All
PAE001OH	Ohinemuri	702	Minor	$\checkmark$	×	All	-	-	-	All	Surface	-	All
PAE001PA	Paeroa	3,864	Minor	$\checkmark$	×	All	-	-	-	All	Surface	-	All
WAI003WA	Waihi	4,623	Minor	$\checkmark$	×	All	-	-	-	All	Surface	-	All
WAI043WA	Waikino	304	Small	$\checkmark$	-	-	-	-	-	-	Unfin	-	-
WAI201WA	Waitakaruru	2,076	Minor	$\checkmark$	×	All	-	-	All	All	Surface	-	All

#### Waikato District

Zone Code	Distribution Zone	Population	Size	Bacteria	Protozoa	Chlorination	CIO2	Ozone	UV	Any Disinfection	Sources	Secure	Disinfection/Secure
HUN002HU	Huntly	7,210	Medium	$\checkmark$	$\checkmark$	All	-	-	-	All	Surface	-	All
HUN002RO	Rotongaro	130	Small	$\checkmark$	$\checkmark$	All	-	-	-	All	Surface	-	All
NGA002HO	Horotiu	459	Small	$\checkmark$	$\checkmark$	All	-	-	-	All	Surface	-	All
NGA002HP	Hopuhopu	200	Small	$\checkmark$	$\checkmark$	All	-	-	-	All	Surface	-	All
NGA002NG	Ngaruawahia	5,691	Medium	$\checkmark$	$\checkmark$	All	-	-	-	All	Surface	-	All
NGA002TA	Taupiri	529	Minor	$\checkmark$	$\checkmark$	All	-	-	-	All	Surface	-	All
NOR013NO	North Western Dist, Waikato D	C 115	Small	$\checkmark$	$\checkmark$	All	-	-	All	All	Surface	-	All
POK001PO	Pokeno	519	Minor	$\checkmark$	$\checkmark$	All	-	-	-	All	Surface	-	All
RAG001RA	Raglan	3,187	Minor	$\checkmark$	$\checkmark$	All	-	-	All	All	Groundwater	-	All
SOU009SO	Southern Districts, Waikato DC	5,466	Medium	$\checkmark$	$\checkmark$	All	-	-	All	All	Surface	-	All
TEK001TR	Te Kauwhata / Rangiriri	1,410	Minor	$\checkmark$	$\checkmark$	All	-	-	All	All	Surface	-	All
TEK001WH	Whangamarino Rural / Mereme	ere 739	Minor	$\checkmark$	$\checkmark$	All	-	-	All	All	Surface	-	All
TUA002TN	Tuakau North	823	Minor	$\checkmark$	$\checkmark$	All	-	-	-	All	Surface	-	All
TUA002TS	Tuakau South	3,119	Minor	$\checkmark$	$\checkmark$	All	-	-	-	All	Surface	-	All

#### Matamata Piako District

Zone Code	Distribution Zone	Population	Size	Bacteria	Protozoa	Chlorination	CIO2	Ozone	UV	Any Disinfection	Sources	Secure	Disinfection/Secure
MAT004MA	Matamata Township	6,309	Medium	×	×	All	-	-	Some	All	Mixed	Some	All
MAT004WA	Waharoa	634	Minor	$\checkmark$	×	All	-	-	Some	All	Mixed	Some	All
MOR001MO	Morrinsville Township	6,603	Medium	$\checkmark$	×	All	-	-	-	All	Surface	-	All
TAH001TA	Tahuna Township	120	Small	×	×	All	-	-	-	All	Groundwater	-	All
TAT005FA	Tatua Dairy Factory Endpoint	200	Small	×	$\checkmark$	All	-	-	-	All	SecureGW	All	All
TEA003TE	Te Aroha	3,768	Minor	$\checkmark$	$\checkmark$	All	-	-	-	All	Surface	-	All
WAI049WA	Waitoa Village & Factory	500	Small	$\checkmark$	×	All	-	-	-	All	Surface	-	All
Hamilton C	ity												
Zone Code	Distribution Zone	Population	Size	Bacteria	Protozoa	Chlorination	CIO2	Ozone	UV	Any Disinfection	Sources	Secure	Disinfection/Secure
HAM001HA	Hamilton City	130,813	Large	$\checkmark$	$\checkmark$	All	-	-	All	All	Surface	-	All
HAM001RU	Ruakura/Ryburn Road	151	Small	$\checkmark$	$\checkmark$	All	-	-	All	All	Surface	-	All
HAM001TE	Temple View, Hamilton	1,413	Minor	$\checkmark$	$\checkmark$	All	-	-	All	All	Surface	-	All
Waipa Dist	rict												
Zone Code	Distribution Zone	Population	Size	Bacteria	Protozoa	Chlorination	CIO2	Ozone	UV	Any Disinfection	Sources	Secure	Disinfection/Secure
CAM001CA	Cambridge	13,368	Large	$\checkmark$	×	All	-	-	Some	All	Mixed	-	All
CAM001KA	Karapiro Village	132	Small	×	$\checkmark$	All	-	-	-	All	Surface	-	All
HAM006IT	East Side Terminal	400	Small	$\checkmark$	$\checkmark$	All	-	-	-	All	Surface	-	All
HAM006WE	West Side Aviation Area	350	Small	$\checkmark$	×	All	-	-	All	All	Groundwater	-	All
KIH001KI	Kihikihi	2,000	Minor	$\checkmark$	$\checkmark$	All	-	-	-	All	SecureGW	All	All
PUK001OH	Ohaupo	468	Small	$\checkmark$	$\checkmark$	All	-	-	-	All	Surface	-	All
PUK001PU	Pukerimu Rural	3,278	Minor	$\checkmark$	$\checkmark$	All	-	-	-	All	Surface	-	All
TEA001PI	Pirongia	1,500	Minor	$\checkmark$	$\checkmark$	Some	-	-	Some	Some	Mixed	Some	All
TEA001TE	Te Awamutu Township	9,165	Medium	$\checkmark$	$\checkmark$	Some	-	-	Some	Some	Mixed	Some	All
ТОКОО6ТН	Tokanui	250	Small	$\checkmark$	$\checkmark$	All	-	-	All	All	Surface	-	All

#### **Otorohanga District**

Otoronanga	District												
Zone Code	Distribution Zone	Population	Size	Bacteria	Protozoa	Chlorination	CIO2	Ozone	UV	Any Disinfection	Sources	Secure	Disinfection/Secure
ARO001AO	Aotearoa Road, Arohena	120	Small	$\checkmark$	×	All	-	-	-	All	Surface	-	All
ARO001MA	Mangare Road, Arohena	120	Small	$\checkmark$	×	All	-	-	-	All	Surface	-	All
KAW001KA	Kawhia Township	390	Small	$\checkmark$	×	All	-	-	All	All	Groundwater	-	All
OTO0010T	Otorohanga	2,875	Minor	$\checkmark$	×	All	-	-	-	All	Surface	-	All
OTO001WA	Waipa	175	Small	$\checkmark$	×	All	-	-	-	All	Surface	-	All
TIH001TI	Tihiroa	400	Small	$\checkmark$	×	All	-	-	-	All	Surface	-	All
South Waik	ato District												
Zone Code	Distribution Zone	Population	Size	Bacteria	Protozoa	Chlorination	CIO2	Ozone	UV	Any Disinfection	Sources	Secure	Disinfection/Secure
ARA003AR	Arapuni	300	Small	$\checkmark$	×	All	-	-	All	All	Groundwater	-	All
PUT001PU	Putaruru	4,116	Minor	$\checkmark$	×	Some	-	-	Some	All	Mixed	-	All
TIR001TI	Tirau	700	Minor	$\checkmark$	$\checkmark$	All	-	-	All	All	Surface	-	All
TOK001TO	Tokoroa	13,300	Large	$\checkmark$	×	All	-	-	All	All	Groundwater	-	All
Waitomo D	istrict												
Zone Code	Distribution Zone	Population	Size	Bacteria	Protozoa	Chlorination	CIO2	Ozone	UV	Any Disinfection	Sources	Secure	Disinfection/Secure
BEN002BE	Benneydale	280	Small	$\checkmark$	×	All	-	-	-	All	Surface	-	All
MOK002MO	Mokau, Waitomo	200	Small	$\checkmark$	×	All	-	-	-	All	Surface	-	All
PIO001PI	Piopio	500	Small	$\checkmark$	×	All	-	-	-	All	Surface	-	All
TAH002TA	Taharoa Village	300	Small	×	×	All	-	-	-	All	Groundwater	-	All
TEK003TE	Te Kuiti	4,612	Minor	$\checkmark$	×	All	-	-	-	All	Surface	-	All
WAI012WC	Waitomo Caves	500	Small	×	×	All	-	-	-	All	Surface	-	All
Ruapehu Di	strict												
Zone Code	Distribution Zone	Population	Size	Bacteria	Protozoa	Chlorination	CIO2	Ozone	UV	Any Disinfection	Sources	Secure	Disinfection/Secure
NAT001NA	National Park	240	Small	$\checkmark$	х	All	-	-	All	All	Surface	-	All
OHA001OH	Ohakune Township	1,500	Minor	$\checkmark$	×	All	-	-	All	All	Surface	-	All
OHU001OH	Ohura	160	Small	$\checkmark$	×	All	-	-	-	All	Surface	-	All
OWH001OW	Owhango	200	Small	$\checkmark$	×	All	-	-	-	All	Surface	-	All
PIR001PI	Piriaka	120	Small	×	×	-	-	-	-	-	Groundwater	-	-
RAE001RA	Raetihi Township	749	Minor	×	×	All	-	-	-	All	Surface	-	All
TAU003TA	Taumarunui	4,870	Minor	$\checkmark$	×	All	-	-	-	All	Surface	-	All
WAI002WA	Waiouru Township	2,800	Minor	×	×	All	-	-	-	All	Surface	-	All
WHA015WV	Whakapapa Village	200	Small	$\checkmark$	×	All	-	-	All	All	Surface	-	All

### Western Bay of Plenty District

Zone Code	Distribution Zone	Population	Size	Bacteria	Protozoa	Chlorination	CIO2	Ozone	UV	Any Disinfection	Sources	Secure	Disinfection/Secure
ATH003AT	Athenree	5,125	Medium	$\checkmark$	$\checkmark$	All	-	-	-	All	SecureGW	All	All
КАТООЗКА	Katikati	5,700	Medium	$\checkmark$	$\checkmark$	All	-	-	-	All	SecureGW	All	All
OM00030N	1 Omokoroa Minden	6,450	Medium	$\checkmark$	$\checkmark$	All	-	-	-	All	SecureGW	All	All
PON003PO	Pongakawa	4,600	Minor	$\checkmark$	$\checkmark$	All	-	-	-	All	SecureGW	All	All
TEP002TP	Te Puke	8,260	Medium	$\checkmark$	$\checkmark$	All	-	-	-	All	SecureGW	All	All
TEP029TB	Te Puke Bush	200	Small	$\checkmark$	$\checkmark$	All	-	-	All	All	Surface	-	All
Tauranga C	City												
Zone Code	Distribution Zone	Population	Size	Bacteria	Protozoa	Chlorination	CIO2	Ozone	UV	Any Disinfection	Sources	Secure	Disinfection/Secure
TAU004MP	Mt Maunganui - Papamoa	52,000	Large	$\checkmark$	$\checkmark$	All	-	-	-	All	Surface	-	All
TAU004TB	Tauranga - Bethlehem	51,783	Large	$\checkmark$	$\checkmark$	All	-	-	-	All	Surface	-	All
Whakatane	e District												
Zone Code	Distribution Zone	Population	Size	Bacteria	Protozoa	Chlorination	CIO2	Ozone	UV	Any Disinfection	Sources	Secure	Disinfection/Secure
MAT005MA	Matata	690	Minor	$\checkmark$	×	All	-	-	All	All	Groundwater	-	All
MUR002MU	Murupara	2,060	Minor	$\checkmark$	×	-	-	-	-	-	Groundwater	-	-
RAN007ED	Edgecumbe	1,430	Minor	$\checkmark$	×	All	-	-	-	All	Groundwater	-	All
RAN007PR	Rangitaiki Plains Rural	2,486	Minor	$\checkmark$	×	All	-	-	-	All	Groundwater	-	All
RAN007TE	Te Teko	346	Small	$\checkmark$	×	All	-	-	-	All	Groundwater	-	All
RUA003RU	Ruatoki	560	Minor	$\checkmark$	×	All	-	-	All	All	Groundwater	-	All
RUA008RU	Ruatahuna Village	300	Small	×	×	-	-	-	-	-	Groundwater	-	-
TAN001TA	Taneatua	790	Minor	$\checkmark$	×	All	-	-	All	All	Groundwater	-	All
TEM004TE	Te Mahoe	120	Small	$\checkmark$	×	All	-	-	-	All	Groundwater	-	All
WAI017WA	Waimana	160	Small	$\checkmark$	×	All	-	-	All	All	Groundwater	-	All
WHA005OH	Ohope	6,000	Medium	$\checkmark$	×	All	-	-	All	All	Surface	-	All
WHA005WH	l Whakatane	15,020	Large	$\checkmark$	×	All	-	-	All	All	Surface	-	All
Kawerau D	istrict												
Zone Code	Distribution Zone	Population	Size	Bacteria	Protozoa	Chlorination	CIO2	Ozone	UV	Any Disinfection	Sources	Secure	Disinfection/Secure
KAW003KA	Kawerau	6,921	Medium	$\checkmark$	х	-	-	-	All	All	Groundwater	-	All
KAW003UV	Upper Valley Road	800	Minor	×	×	-	-	-	All	All	Groundwater	-	All

#### Opotiki District

Zone Code	Distribution Zone	Population	Size	Bacteria	Protozoa	Chlorination	CIO2	Ozone	UV	Any Disinfection	Sources	Secure	Disinfection/Secure
KAI054KA	Kaiaio Hapu	160	Small	×	×	-	-	-	-	-	Surface	-	-
KUT003KU	Kutarere	300	Small	×	×	-	-	-	-	-	Groundwater	-	-
OMA016OM	Omaio	180	Small	×	×	-	-	-	-	-	Surface	-	-
OPO001HI	Hikutaia, Opotiki	654	Minor	$\checkmark$	$\checkmark$	All	-	-	-	All	SecureGW	All	All
OPO001OP	Opotiki Town	3,876	Minor	$\checkmark$	$\checkmark$	All	-	-	-	All	SecureGW	All	All
PAE005PA	Paerata East	112	Small	×	×	-	-	-	-	-	Groundwater	-	-
TEK004TE	Te Kaha	150	Small	$\checkmark$	×	All	-	-	All	All	Surface	-	All
WHA031WH	Whanarua Bay	200	Small	×	×	-	-	-	All	All	Surface	-	All

#### **Rotorua District**

Zone Code	Distribution Zone	Population	Size	Bacteria	Protozoa	Chlorination	CIO2	Ozone	UV	Any Disinfection	Sources	Secure	Disinfection/Secure
BRU005BR	Brunswick 4	110	Small	×	$\checkmark$	-	-	-	-	-	SecureGW	All	All
HAM003HA	Hamurana	900	Minor	$\checkmark$	$\checkmark$	All	-	-	All	All	Groundwater	-	All
HAM003KA	Kaharoa	800	Minor	$\checkmark$	$\checkmark$	All	-	-	All	All	Groundwater	-	All
KAI009KA	Kaingaroa	400	Small	$\checkmark$	×	All	-	-	-	All	Groundwater	-	All
MAM001MA	🛚 Mamaku Township	868	Minor	$\checkmark$	×	All	-	-	-	All	Groundwater	-	All
NGO001NG	Ngongotaha Township	4,826	Minor	$\checkmark$	$\checkmark$	All	-	-	All	All	Groundwater	-	All
REP001RE	Reporoa	1,060	Minor	$\checkmark$	$\checkmark$	All	-	-	All	All	Groundwater	-	All
ROT001OK	Okareka	730	Minor	$\checkmark$	$\checkmark$	All	-	-	All	All	Groundwater	-	All
ROT001RE	Rotorua Eastern Suburbs	9,600	Medium	$\checkmark$	$\checkmark$	All	-	-	All	All	Groundwater	-	All
ROT002RO	Rotoma	340	Small	$\checkmark$	$\checkmark$	All	-	-	All	All	Surface	-	All
ROT003RO	Rotorua City	42,500	Large	$\checkmark$	$\checkmark$	All	-	-	All	All	Groundwater	-	All
ROT004RO	Rotoiti	880	Minor	$\checkmark$	$\checkmark$	All	-	-	All	All	Groundwater	-	All

#### Taupo District

Zone Code	Distribution Zone	Population	Size	Bacteria	Protozoa	Chlorination	CIO2	Ozone	UV	Any Disinfection	Sources	Secure	Disinfection/Secure
ACA001AC	Acacia Bay	1,512	Minor	×	×	All	-	-	-	All	Surface	-	All
ACA001MA	Mapara Road Rural	869	Minor	$\checkmark$	×	All	-	-	-	All	Surface	-	All
ATI001AV	Atiamuri Village	134	Small	$\checkmark$	$\checkmark$	All	-	-	-	All	Groundwater	-	All
BON001BO	Bonshaw Park	152	Small	$\checkmark$	×	All	-	-	-	All	Groundwater	-	All
CEN001RR	Rakanui Road	200	Small	$\checkmark$	×	All	-	-	-	All	Surface	-	All
HAT001HV	Hatepe Village	174	Small	$\checkmark$	×	All	-	-	-	All	Surface	-	All
KIN001KI	Kinloch Town	1,604	Minor	$\checkmark$	×	All	-	-	-	All	Surface	-	All
KIN010KI	Kinloch Park	140	Small	×	×	-	-	-	-	-	Groundwater	-	-
MAN002MA	Mangakino	1,312	Minor	$\checkmark$	$\checkmark$	All	-	-	All	All	Groundwater	-	All
MOT002MO	Motuoapa	739	Minor	$\checkmark$	×	All	-	-	-	All	Surface	-	All
OMO0010N	1 Omori / Kuratau / Pukawa	1,783	Minor	$\checkmark$	×	All	-	-	-	All	Surface	-	All

Zone Code	Distribution Zone	Population	Size	Bacteria	Protozoa	Chlorination	CIO2	Ozone	UV	Any Disinfection	Sources	Secure	Disinfection/Secure
RIV003RI	River Rd Reporoa	197	Small	$\checkmark$	×	All	-	-	-	All	Surface	-	All
TAU001TC	Taupo Central & West	17,105	Large	$\checkmark$	$\checkmark$	All	-	-	-	All	Surface	-	All
TAU001TS	Taupo - Taupo South	6,396	Medium	$\checkmark$	$\checkmark$	All	-	-	-	All	Surface	-	All
TIR002SC	Serenity Cove	137	Small	×	×	All	-	-	-	All	Surface	-	All
TIR002TI	Tirohanga	190	Small	$\checkmark$	×	All	-	-	-	All	Surface	-	All
TUR001TO	Tokaanu	360	Small	$\checkmark$	$\checkmark$	All	-	-	All	All	Groundwater	-	All
TUR001TU	Turangi	3,578	Minor	$\checkmark$	$\checkmark$	All	-	-	All	All	Groundwater	-	All
WHA010WH	l Whareroa	313	Small	$\checkmark$	×	All	-	-	-	All	Groundwater	-	All
WHA011WH	I Whakamaru	116	Small	$\checkmark$	×	All	-	-	-	All	Groundwater	-	All

#### **Gisborne District**

Zone Code	Distribution Zone	Population	Size	Bacteria	Protozoa	Chlorination	CIO2	Ozone	UV	Any Disinfection	Sources	Secure	Disinfection/Secure
ENI001MA	Mangahauini	130	Small	×	×	-	-	-	-	-	Surface	-	-
GIS001GI	Gisborne City	29,600	Large	$\checkmark$	$\checkmark$	All	-	-	-	All	Surface	-	All
GIS001RU	Gisborne Rural	1,000	Minor	$\checkmark$	$\checkmark$	All	-	-	-	All	Surface	-	All
TEK002TE	Te Karaka	491	Small	$\checkmark$	$\checkmark$	All	-	-	All	All	Surface	-	All
TEP001TE	Te Puia Springs Hosp & Village	300	Small	$\checkmark$	×	All	-	-	All	All	Surface	-	All
WHA004WH	H Whatatutu	200	Small	$\checkmark$	×	All	-	-	All	All	Surface	-	All

#### **New Plymouth District**

Zone Code	Distribution Zone	Population	Size	Bacteria	Protozoa	Chlorination	CIO2	Ozone	UV	Any Disinfection	Sources	Secure	Disinfection/Secure
ING001IN	Inglewood	3,983	Minor	$\checkmark$	$\checkmark$	All	-	-	-	All	Surface	-	All
NEW002BE	Bell Block	4,820	Minor	$\checkmark$	$\checkmark$	All	-	-	-	All	Surface	-	All
NEW002LE	Lepperton	200	Small	$\checkmark$	$\checkmark$	All	-	-	-	All	Surface	-	All
NEW002NE	New Plymouth	45,420	Large	$\checkmark$	$\checkmark$	All	-	-	-	All	Surface	-	All
NEW002UR	Urenui/Tikorangi	1,030	Minor	$\checkmark$	$\checkmark$	All	-	-	-	All	Surface	-	All
NEW002WA	Waitara	7,602	Medium	$\checkmark$	$\checkmark$	All	-	-	-	All	Surface	-	All
OAK001OA	Oakura	1,625	Minor	$\checkmark$	$\checkmark$	All	-	-	-	All	SecureGW	All	All
OKA002OK	Okato	530	Minor	$\checkmark$	$\checkmark$	All	-	-	All	All	Surface	-	All
Stratford D	vistrict												
Zone Code	Distribution Zone	Population	Size	Bacteria	Protozoa	Chlorination	CIO2	Ozone	UV	Any Disinfection	Sources	Secure	Disinfection/Secure
MID001MI	Midhirst	200	Small	$\checkmark$	$\checkmark$	All	-	-	All	All	Surface	-	All
STR001ST	Stratford	6,773	Medium	$\checkmark$	×	All	-	-	-	All	Surface	-	All

#### South Taranaki District

Zone Code	Distribution Zone	Population	Size	Bacteria	Protozoa	Chlorination	CIO2	Ozone	UV	Any Disinfection	Sources	Secure	Disinfection/Secure
COL005PI	Pihama	350	Small	$\checkmark$	×	All	-	-	-	All	Surface	-	All
ELT001EL	Eltham	1,980	Minor	$\checkmark$	$\checkmark$	All	-	-	-	All	Surface	-	All
HAW003HA	Hawera	8,550	Medium	$\checkmark$	$\checkmark$	All	-	-	-	All	Surface	-	All
HAW003NO	Normanby	850	Minor	$\checkmark$	$\checkmark$	All	-	-	-	All	Surface	-	All
HAW003OH	Ohawe Beach	210	Small	$\checkmark$	$\checkmark$	All	-	-	-	All	Surface	-	All
INA001IN	Inaha	495	Small	$\checkmark$	×	All	-	-	-	All	Surface	-	All
OPU001OP	Opunake	1,370	Minor	$\checkmark$	$\checkmark$	All	-	-	-	All	Surface	-	All
PAT001PA	Patea	1,150	Minor	$\checkmark$	$\checkmark$	-	-	-	-	-	SecureGW	All	All
RAH001RA	Rahotu	115	Small	$\checkmark$	$\checkmark$	All	-	-	-	All	Surface	-	All
WAI018KA	Kaponga	370	Small	$\checkmark$	$\checkmark$	All	-	-	-	All	Surface	-	All
WAI018MA	Manaia	925	Minor	$\checkmark$	$\checkmark$	All	-	-	-	All	Surface	-	All
WAI018RU	Waimate West Rural	1,585	Minor	$\checkmark$	$\checkmark$	All	-	-	-	All	Surface	-	All
WAV001WA	Waverley	950	Minor	×	$\checkmark$	-	-	-	-	-	SecureGW	All	All
Wairoa Dist	trict												
Zone Code	Distribution Zone	Population	Size	Bacteria	Protozoa	Chlorination	CIO2	Ozone	UV	Any Disinfection	Sources	Secure	Disinfection/Secure
RAU006RA	Raupunga	250	Small	×	×	-	-	-	-	-	Surface	-	-
TUA005TU	Tuai	300	Small	$\checkmark$	$\checkmark$	-	-	-	All	All	Groundwater	-	All
WAI006FR	Frasertown	350	Small	$\checkmark$	$\checkmark$	All	-	-	All	All	Surface	-	All
WAI006WA	Wairoa	4,300	Minor	$\checkmark$	$\checkmark$	All	-	-	All	All	Surface	-	All
Napier City													
Zone Code	Distribution Zone	Population	Size	Bacteria	Protozoa	Chlorination	CIO2	Ozone	UV	Any Disinfection	Sources	Secure	Disinfection/Secure
BAY001BA	Bayview Township	894	Minor	$\checkmark$	$\checkmark$	-	-	-	-	-	SecureGW	All	All
NAP001NA	Napier City	25,800	Large	$\checkmark$	$\checkmark$	-	-	-	-	-	SecureGW	All	All
NAP001TA	Taradale	24,110	Large	$\checkmark$	$\checkmark$	-	-	-	-	-	SecureGW	All	All

#### Hastings District

Zone Code	Distribution Zone	Population	Size	Bacteria	Protozoa	Chlorination	CIO2	Ozone	UV	Any Disinfection	Sources	Secure	Disinfection/Secure
CLI001AL	Allen Lane/Ferry Rd, Clive	198	Small	V	√	-	-	-	-	-	SecureGW	All	All
CLI001VA	Valerie St/Tuckers Lane, Clive	362	Small	$\checkmark$	$\checkmark$	-	-	-	-	-	SecureGW	All	All
HAS001BP	Bridge Pa	300	Small	×	×	All	-	-	-	All	Groundwater	Some	All
HAS001EA	Hastings East	16,668	Large	×	×	All	-	-	Some		Groundwater	Some	All
HAS001FL	Flaxmere	12,171	Large	×	×	All	-	-	-	All	Groundwater	Some	All
HAS001HN	Havelock North	15,370	Large	$\checkmark$	×	All	-	-	Some	All	Groundwater	Some	All
HAS001PA	Paki Paki	200	Small	$\checkmark$	×	All	-	-	-	All	Groundwater	Some	All
HAS001WE	Hastings West & Central	20,055	Large	×	×	All	-	-	-	All	Groundwater	Some	All
HAU002HA	Haumoana / Te Awanga	1,900	Minor	$\checkmark$	×	-	-	-	-	-	Groundwater	-	-
OMA0080M	1 Omahu	126	Small	$\checkmark$	×	All	-	-	-	All	Groundwater	-	All
PAR025PA	Parkhill Farm	288	Small	×	×	-	-	-	-	-	Groundwater	-	-
WAI007WA	Waimarama	260	Small	×	×	-	-	-	All	All	Groundwater	-	All
WHA029WH	I Whakatu	337	Small	$\checkmark$	$\checkmark$	-	-	-	-	-	SecureGW	All	All
WHI007WH	Whirinaki, Hawkes Bay	750	Minor	$\checkmark$	×	-	-	-	All	All	Groundwater	-	All
Central Hav	wkes Bay District												
Zone Code	Distribution Zone	Population	Size	Bacteria	Protozoa	Chlorination	CIO2	Ozone	UV	Any Disinfection	Sources	Secure	Disinfection/Secure
FAR001FA	Farm Road	120	Small	×	×	All	-	-	-	All	Groundwater	-	All
POR003PT	Porangahau Township	130	Small	$\checkmark$	×	All	-	-	-	All	Groundwater	-	All
TAK001TA	Takapau Township	570	Minor	×	$\checkmark$	All	-	All	-	All	SecureGW	All	All
WAI004HI	Waipukurau High Pressure Zor	ne 3,000	Minor	$\checkmark$	×	All	-	-	-	All	Groundwater	-	All
WAI004LO	Waipukurau Low Pressure Zon	e 666	Minor	$\checkmark$	×	All	-	-	-	All	Groundwater	-	All
WAI005OT	Otane Township	546	Minor	$\checkmark$	×	All	-	-	-	All	Groundwater	-	All
WAI005WA	Waipawa Township	1,809	Minor	$\checkmark$	×	All	-	-	-	All	Groundwater	-	All
Chatham Is	slands												
Zone Code	Distribution Zone	Population	Size	Bacteria	Protozoa	Chlorination	CIO2	Ozone	UV	Any Disinfection	Sources	Secure	Disinfection/Secure
WAI158WA	Waitangi, Chatham Is.	125	Small	$\checkmark$	$\checkmark$	All	-	-	All	All	SecureGW	All	All

#### Wanganui District

Zone Code	Distribution Zone	Population	Size	Bacteria	Protozoa	Chlorination	CIO2	Ozone	UV	Any Disinfection	Sources	Secure	Disinfection/Secure
BRU001BR	Brunswick-Westmere	450	Small	$\checkmark$	$\checkmark$	All	-	-	-	All	SecureGW	All	All
FOR001FO	Fordell Township	350	Small	$\checkmark$	$\checkmark$	All	-	-	-	All	SecureGW	All	All
MAX001MA	Maxwell	200	Small	$\checkmark$	$\checkmark$	All	-	-	-	All	SecureGW	All	All
MOW001M0	O Mowhanau Beach	300	Small	$\checkmark$	$\checkmark$	All	-	-	-	All	SecureGW	All	All
WAN001AR	Aramoho	5,000	Minor	$\checkmark$	$\checkmark$	All	-	All	-	All	SecureGW	All	All
WAN001EA	Wanganui East	5,000	Minor	$\checkmark$	$\checkmark$	All	-	Some	-	All	SecureGW	All	All
WAN001WA	Wanganui City	29,000	Large	$\checkmark$	$\checkmark$	All	-	-	-	All	SecureGW	All	All

#### Rangitikei District

Zone Code	Distribution Zone	Population	Size	Bacteria	Protozoa	Chlorination	CIO2	Ozone	UV	Any Disinfection	Sources	Secure	Disinfection/Secure
BUL001BU	Bulls Township	1,800	Minor	$\checkmark$	×	All	-	-	All	All	Groundwater	-	All
HUN001HU	Hunterville Township	400	Small	$\checkmark$	×	All	-	-	All	All	Surface	-	All
MAN001MA	Mangaweka Township	180	Small	$\checkmark$	×	All	-	-	All	All	Surface	-	All
MAR001MA	Marton Township	3,750	Minor	$\checkmark$	×	All	-	-	Some	All	Mixed	-	All
RAT001RA	Ratana Township	450	Small	$\checkmark$	×	All	-	-	-	All	Groundwater	-	All
TAI001TA	Taihape Township	2,200	Minor	$\checkmark$	×	All	-	-	All	All	Surface	-	All

#### Manawatu District

Zone Code	Distribution Zone	Population	Size	Bacteria	Protozoa	Chlorination	CIO2	Ozone	UV	Any Disinfection	Sources	Secure	Disinfection/Secure
FEI001FE	Feilding	13,000	Large	×	×	All	-	-	-	All	Mixed	Some	All
HAL001HA	Halcombe-Stanway	430	Small	$\checkmark$	×	All	-	-	-	All	Surface	-	All
HIM001HI	Himatangi Beach	438	Small	$\checkmark$	×	All	-	-	-	All	Groundwater	-	All
KIW003KI	Kimbolton	150	Small	×	×	All	-	-	-	All	Surface	-	All
OHA002OH	Ohakea	800	Minor	$\checkmark$	×	All	-	-	All	All	Groundwater	-	All
RON002RO	Rongotea	300	Small	$\checkmark$	×	All	-	-	-	All	Groundwater	-	All
SAN001SA	Sanson	492	Small	$\checkmark$	×	All	-	-	-	All	Surface	-	All
WAI022WA	Waituna West	200	Small	$\checkmark$	×	All	-	-	-	All	Groundwater	-	All

### **Palmerston North City**

Zone Code	Distribution Zone	Population	Size	Bacteria	Protozoa	Chlorination	CIO2	Ozone	UV	Any Disinfection	Sources	Secure	Disinfection/Secure
ASH001AS	Ashhurst	2,800	Minor	$\checkmark$	$\checkmark$	All	-	-	-	All	SecureGW	All	All
BUN001BU	Bunnythorpe	450	Small	$\checkmark$	$\checkmark$	All	-	-	-	All	SecureGW	All	All
LIN001LI	Linton	4,500	Minor	$\checkmark$	×	All	-	-	-	All	Groundwater	-	All
LON001LO	Longburn	240	Small	$\checkmark$	$\checkmark$	All	-	-	-	All	SecureGW	All	All
LON002SC	Longburn Adventist College	300	Small	×	×	-	-	-	All	All	Groundwater	-	All
LON006BR	Longburn, Brandlines	150	Small	×	×	-	-	-	-	-	Groundwater	-	-
MAS001MA	Massey University	9,000	Medium	$\checkmark$	$\checkmark$	All	-	-	-	All	SecureGW	All	All
PAL001AO	Aokautere	2,739	Minor	$\checkmark$	$\checkmark$	All	-	-	-	All	Surface	-	All
PAL001FW	Fitzherbert West	450	Small	$\checkmark$	$\checkmark$	All	-	-	-	All	Surface	-	All
PAL001KG	Kelvin Grove	5,784	Medium	$\checkmark$	$\checkmark$	All	-	-	-	All	Mixed	Some	All
PAL001PC	Palmerston North City	58,680	Large	$\checkmark$	$\checkmark$	All	-	-	-	All	Mixed	Some	All
Tararua Dis	strict												
Zone Code	Distribution Zone	Population	Size	Bacteria	Protozoa	Chlorination	CIO2	Ozone	UV	Any Disinfection	Sources	Secure	Disinfection/Secure
DAN001DA	Dannevirke	6,000	Medium	×	×	All	-	-	-	All	Surface	-	All
EKE001EK	Eketahuna	456	Small	$\checkmark$	×	All	-	-	All	All	Surface	-	All
NOR002NO	Norsewood	200	Small	$\checkmark$	×	-	-	-	-	-	Groundwater	-	-
PAH001PA	Pahiatua	2,700	Minor	$\checkmark$	×	All	-	-	-	All	Surface	-	All
PLE002PL	Pleckville	200	Small	×	×	-	-	-	-	-	Surface	-	-
PON001PO	Pongaroa	200	Small	$\checkmark$	×	All	-	-	-	All	Surface	-	All
WOO001WC	D Woodville	1,500	Minor	×	×	All	-	-	All	All	Surface	-	All
Horowhen	ua District												
Zone Code	Distribution Zone	Population	Size	Bacteria	Protozoa	Chlorination	CIO2	Ozone	UV	Any Disinfection	Sources	Secure	Disinfection/Secure
FOX002FO	Foxton	2,700	Minor	$\checkmark$	$\checkmark$	All	-	-	-	All	SecureGW	All	All
FOX003FO	Foxton Beach	1,900	Minor	$\checkmark$	$\checkmark$	All	-	-	-	All	SecureGW	All	All
LEV001LE	Levin	20,000	Large	$\checkmark$	×	All	-	-	-	All	Surface	-	All
SHA001SH	Shannon	1,436	Minor	$\checkmark$	×	All	-	-	-	All	Surface	-	All
токоо2то											Surface		

#### Kapiti Coast District

Zone Code	Distribution Zone	Population	Size	Bacteria	Protozoa	Chlorination	CIO2	Ozone	UV	Any Disinfection	Sources	Secure	Disinfection/Secure
HAU003HA	Hautere	700	Minor	$\checkmark$	х	All	-	-	All	All	Groundwater	-	All
OTA003OT	Otaki	4,700	Minor	$\checkmark$	×	All	-	-	All	All	Groundwater	-	All
OTA003WA	Waitohu	1,000	Minor	$\checkmark$	×	All	-	-	All	All	Groundwater	-	All
PAE002PA	Paekakariki	1,665	Minor	$\checkmark$	×	All	-	-	All	All	Surface	-	All
WAI010PA	Paraparaumu/Raumati	25,200	Large	$\checkmark$	$\checkmark$	All	-	-	All	All	Surface	-	All
WAI010WA	Waikanae	10,600	Large	$\checkmark$	$\checkmark$	All	-	-	All	All	Surface	-	All
Upper Hutt	t City												
Zone Code	Distribution Zone	Population	Size	Bacteria	Protozoa	Chlorination	CIO2	Ozone	UV	Any Disinfection	Sources	Secure	Disinfection/Secure
UPP001PI	Pinehaven	3,090	Minor	$\checkmark$	$\checkmark$	All	-	-	-	All	Surface	-	All
UPP001UP	Upper Hutt Central	31,560	Large	$\checkmark$	$\checkmark$	All	-	-	-	All	Surface	-	All
The Hutt Ci	ity												
Zone Code	Distribution Zone	Population	Size	Bacteria	Protozoa	Chlorination	CIO2	Ozone	UV	Any Disinfection	Sources	Secure	Disinfection/Secure
LOW001EA	Eastbourne	4,704	Minor	$\checkmark$	$\checkmark$	-	-	-	-	-	SecureGW	All	All
LOW001HA	Haywards	372	Small	$\checkmark$	$\checkmark$	All	-	-	-	All	Surface	-	All
LOW001LO	Lower Hutt	56,103	Large	$\checkmark$	$\checkmark$	-	-	-	-	-	SecureGW	All	All
LOW001PE	Petone	8,034	Medium	$\checkmark$	$\checkmark$	-	-	-	-	-	SecureGW	All	All
LOW001ST	Stokes Valley	9,198	Medium	$\checkmark$	$\checkmark$	All	-	-	-	All	Surface	-	All
LOW001WA	Wainuiomata	17,058	Large	$\checkmark$	$\checkmark$	Some	-	-	-	Some	Mixed	Some	All
Porirua City	y												
Zone Code	Distribution Zone	Population	Size	Bacteria	Protozoa	Chlorination	CIO2	Ozone	UV	Any Disinfection	Sources	Secure	Disinfection/Secure
JUD001JU	Judgeford	200	Small	$\checkmark$	$\checkmark$	All	-	-	-	All	Surface	-	All
POR001MA	Mana/Plimmerton/Paremata	5,184	Medium	$\checkmark$	$\checkmark$	All	-	-	-	All	Surface	-	All
POR001PH	Porirua High Level	15,398	Large	$\checkmark$	$\checkmark$	All	-	-	-	All	Surface	-	All
POR001PL	Porirua Low Level	16,924	Large	$\checkmark$	$\checkmark$	All	-	-	-	All	Surface	-	All
POR001PU	Pukerua Bay	1,656	Minor	$\checkmark$	$\checkmark$	All	-	-	-	All	Surface	-	All
POR001WH	Whitby	7,282	Medium	$\checkmark$	$\checkmark$	All				All	Surface		All

#### Wellington City

Zone Code	Distribution Zone	Population	Size	Bacteria	Protozoa	Chlorination	CIO2	Ozone	UV	Any Disinfection	Sources	Secure	Disinfection/Secure
WEL002BR	Brooklyn	9,765	Medium	$\checkmark$	$\checkmark$	All	-	-	-	All	Mixed	Some	All
WEL002CH	Churton	4,446	Minor	$\checkmark$	$\checkmark$	All	-	-	-	All	Surface	-	All
WEL002EA	Eastern Wellington	16,815	Large	$\checkmark$	$\checkmark$	All	-	-	-	All	Mixed	Some	All
WEL002JO	Johnsonville	18,357	Large	$\checkmark$	$\checkmark$	All	-	-	-	All	Mixed	Some	All
WEL002KA	Karori	13,146	Large	$\checkmark$	$\checkmark$	All	-	-	-	All	Mixed	Some	All
WEL002KE	Kelburn	9,924	Medium	$\checkmark$	$\checkmark$	All	-	-	-	All	Mixed	Some	All
WEL002ON	Onslow	11,883	Large	$\checkmark$	$\checkmark$	All	-	-	-	All	Mixed	Some	All
WEL002SO	Southern Wellington	30,024	Large	$\checkmark$	$\checkmark$	All	-	-	-	All	Mixed	Some	All
WEL002TA	Tawa	12,903	Large	$\checkmark$	$\checkmark$	All	-	-	-	All	Surface	-	All
WEL002WA	Wadestown	6,789	Medium	$\checkmark$	$\checkmark$	All	-	-	-	All	Mixed	Some	All
WEL002WE	Wellington Central	31,074	Large	$\checkmark$	$\checkmark$	All	-	-	-	All	Mixed	Some	All
Masterton	District												
Zone Code	Distribution Zone	Population	Size	Bacteria	Protozoa	Chlorination	CIO2	Ozone	UV	Any Disinfection	Sources	Secure	Disinfection/Secure
FER001FE	Fernridge	320	Small	$\checkmark$	$\checkmark$	-	-	-	All	All	Groundwater	-	All
MAS002MA	Masterton	19,000	Large	$\checkmark$	$\checkmark$	All	-	-	-	All	Surface	-	All
OPA001OP	Opaki	680	Minor	$\checkmark$	×	-	-	-	All	All	Groundwater	-	All
TIN002TI	Tinui	120	Small	$\checkmark$	$\checkmark$	All	-	-	All	All	Groundwater	-	All
WAI058WA	Wainuioru Rural Water	184	Small	×	×	-	-	-	-	-	Groundwater	-	-
Carterton D	District												
Zone Code	Distribution Zone	Population	Size	Bacteria	Protozoa	Chlorination	CIO2	Ozone	UV	Any Disinfection	Sources	Secure	Disinfection/Secure
CAR001CA	Carterton	4,200	Minor	$\checkmark$	×	All	-	-	All	All	Mixed	-	All
South Wair	arapa District												
Zone Code	Distribution Zone	Population	Size	Bacteria	Protozoa	Chlorination	CIO2	Ozone	UV	Any Disinfection	Sources	Secure	Disinfection/Secure
FEA001FE	Featherston	2,580	Minor	×	×	All	-	-	-	All	Surface	-	All
GRE002GR	Greytown	1,952	Minor	×	×	All	-	-	-	All	Mixed	-	All
MAR003MA	Martinborough	1,505	Minor	×	×	-	-	-	All	All	Groundwater	-	All

#### **Nelson City**

Zone Code	Distribution Zone	Population	Size	Bacteria	Protozoa	Chlorination	CIO2	Ozone	UV	Any Disinfection	Sources	Secure	Disinfection/Secure
GLE013GL	Glenwood	150	Small	×	$\checkmark$	-	-	-	All	All	Surface	-	All
NEL001NL	Nelson	49,740	Large	$\checkmark$	$\checkmark$	All	-	-	-	All	Surface	-	All
Tasman Dis	strict												
Zone Code	Distribution Zone	Population	Size	Bacteria	Protozoa	Chlorination	CIO2	Ozone	UV	Any Disinfection	Sources	Secure	Disinfection/Secure
APP002AP	Appleby Hills	250	Small	$\checkmark$	$\checkmark$	-	-	-	-	-	SecureGW	All	All
CEN002CT	Central Takaka	125	Small	×	×	-	-	-	-	-	Groundwater	-	-
COL007CO	Collingwood	450	Small	$\checkmark$	×	All	-	-	-	All	Groundwater	-	All
DOV001DO	Dovedale Rural	450	Small	×	×	All	-	-	-	All	Surface	-	All
EIG001EI	Eighty Eight Valley Rural	200	Small	$\checkmark$	×	All	-	-	-	All	Surface	-	All
HOP001HO	Hope/Brightwater	2,730	Minor	$\checkmark$	×	All	-	-	-	All	Groundwater	-	All
KAI015KA	Kaiteriteri	300	Small	$\checkmark$	×	-	-	-	-	-	Groundwater	-	-
LAK013LA	Lake Rotoiti	200	Small	$\checkmark$	$\checkmark$	-	-	-	All	All	Surface	-	All
LOW006LO	Lower Moutere Scheme 1	450	Small	×	×	-	-	-	-	-	Groundwater	-	-
MAP003MR	Mapua Rise	192	Small	$\checkmark$	$\checkmark$	-	-	-	-	-	SecureGW	All	All
MOT001MO	Motueka	1,200	Minor	$\checkmark$	×	-	-	-	-	-	Groundwater	-	-
MUR001MU	Murchison	490	Small	$\checkmark$	×	All	-	-	-	All	Groundwater	-	All
POH001PV	Pohara	150	Small	$\checkmark$	×	All	-	-	-	All	Surface	-	All
RED001R1	Redwood Valley 1	180	Small	$\checkmark$	×	All	-	-	-	All	Groundwater	-	All
RED003R2	Redwood Valley 2	370	Small	$\checkmark$	×	All	-	-	-	All	Groundwater	-	All
RIC002RI	Richmond	10,500	Large	$\checkmark$	×	-	-	-	All	All	Groundwater	-	All
RIC002WI	Waimea Industrial	1,800	Minor	$\checkmark$	×	-	-	-	All	All	Groundwater	-	All
TAP003TA	Tapawera	400	Small	$\checkmark$	×	All	-	-	-	All	Groundwater	-	All
WAI023MR	Mapua Ruby Bay	2,500	Minor	$\checkmark$	×	All	-	-	-	All	Groundwater	-	All
WAK001WA	Wakefield	1,500	Minor	$\checkmark$	×	All	-	-	-	All	Groundwater	-	All

#### Marlborough District

Zone Code	Distribution Zone	Population	Size	Bacteria	Protozoa	Chlorination	CIO2	Ozone	UV	Any Disinfection	Sources	Secure	Disinfection/Secure
BLE001BL	Blenheim	24,028	Large	$\checkmark$	$\checkmark$	-	-	-	All	All	Groundwater	-	All
HAV002HA	Havelock	618	Minor	$\checkmark$	×	All	-	-	-	All	Groundwater	-	All
PIC001PI	Picton/Waikawa	4,185	Minor	$\checkmark$	×	All	-	-	Some	All	Mixed	-	All
RAR001RA	Rarangi	160	Small	$\checkmark$	×	-	-	-	All	All	Groundwater	-	All
REN001RE	Renwick	1,884	Minor	$\checkmark$	×	All	-	-	-	All	Groundwater	-	All
RIV002RI	Riverlands Industrial Estate	740	Minor	$\checkmark$	×	-	-	-	-	-	Groundwater	-	-
SED001DA	Dashwood Rural	333	Small	$\checkmark$	×	All	-	-	-	All	Surface	-	All
SED001SE	Seddon, Awatere Valley	1,000	Minor	$\checkmark$	×	All	-	-	-	All	Surface	-	All
WAI034WA	Wairau Valley	160	Small	$\checkmark$	×	All	-	-	-	All	Groundwater	-	All
WAR003WA	Ward	250	Small	×	×	-	-	-	-	-	Groundwater	-	-
WOO004WO	) Woodbourne RNZAF Base	1,500	Minor	$\checkmark$	×	All	-	-	All	All	Groundwater	-	All

#### **Buller District**

Zone Code	Distribution Zone	Population	Size	Bacteria	Protozoa	Chlorination	CIO2	Ozone	UV	Any Disinfection	Sources	Secure	Disinfection/Secure
HEC001HE	Hector	300	Small	×	×	-	-	-	-	-	Surface	-	-
HEC001NG	Ngakawau	135	Small	×	×	-	-	-	-	-	Surface	-	-
LIT003LI	Little Wanganui	150	Small	×	×	-	-	-	-	-	Surface	-	-
PUN001PU	Punakaiki	230	Small	×	×	-	-	-	All	All	Surface	-	All
REE001RE	Reefton	951	Minor	$\checkmark$	$\checkmark$	-	-	-	All	All	Surface	-	All
WAI001WA	Waimangaroa	300	Small	×	×	-	-	-	-	-	Surface	-	-
WES001CA	Carters Beach	357	Small	$\checkmark$	$\checkmark$	All	-	-	All	All	Surface	-	All
WES001WE	Westport	4,617	Minor	$\checkmark$	$\checkmark$	All	-	-	All	All	Surface	-	All

#### **Grey District**

Zone Code	Distribution Zone	Population	Size	Bacteria	Protozoa	Chlorination	CIO2	Ozone	UV	Any Disinfection	Sources	Secure	Disinfection/Secure
BLA001BL	Blackball	280	Small	$\checkmark$	×	All	-	-	All	All	Surface	-	All
GRE001CO	Cobden	1,650	Minor	$\checkmark$	$\checkmark$	All	-	-	All	All	Groundwater	-	All
GRE001DO	Dobson	430	Small	$\checkmark$	$\checkmark$	All	-	-	All	All	Groundwater	-	All
GRE001GM	Greymouth	5,950	Medium	$\checkmark$	$\checkmark$	All	-	-	All	All	Groundwater	-	All
GRE001TA	Taylorville	190	Small	$\checkmark$	$\checkmark$	All	-	-	All	All	Groundwater	-	All
RUN001RU	Runanga	1,190	Minor	×	×	-	-	-	-	-	Groundwater	-	-

#### Westland District

Zone Code	Distribution Zone	Population	Size	Bacteria	Protozoa	Chlorination	CIO2	Ozone	UV	Any Disinfection	Sources	Secure	Disinfection/Secure
FOX001FO	Fox Glacier	252	Small	$\checkmark$	×	All	-	-	-	All	Surface	-	All
FRA001FR	Franz Josef	2,611	Minor	$\checkmark$	×	All	-	-	All	All	Surface	-	All
HAR001HA	Harihari	348	Small	×	×	-	-	-	All	All	Groundwater	-	All
HOK001HO	Hokitika	3,447	Minor	$\checkmark$	×	All	-	-	-	All	Surface	-	All
KUM001KU	Kumara	318	Small	×	×	All	-	-	-	All	Surface	-	All
ROS001RO	Ross Township	291	Small	$\checkmark$	×	All	-	-	-	All	Surface	-	All
WHA002WH	Whataroa	405	Small	$\checkmark$	×	-	-	-	All	All	Groundwater	-	All

#### Kaikoura District

Zone Code	Distribution Zone	Population	Size	Bacteria	Protozoa	Chlorination	CIO2	Ozone	UV	Any Disinfection	Sources	Secure	Disinfection/Secure
FER003FE	Fernleigh Rural Water Supply	150	Small	$\checkmark$	×	All	-	-	-	All	Surface	-	All
KAI004KU	Kaikoura Urban	2,500	Minor	$\checkmark$	×	All	-	-	-	All	Groundwater	-	All
KAI021EA	Kaikoura East Coast Rural	150	Small	×	×	-	-	-	-	-	Groundwater	-	-
KIN003KI	Kincaid Rural Water Supply	120	Small	$\checkmark$	×	All	-	-	All	All	Surface	-	All
OAR001OA	Oaro	400	Small	$\checkmark$	$\checkmark$	-	-	-	All	All	Surface	-	All
OCE002OC	Ocean Ridge	500	Small	$\checkmark$	×	-	-	-	All	All	Groundwater	-	All

#### Hurunui District

Zone Code	Distribution Zone	Population	Size	Bacteria	Protozoa	Chlorination	CIO2	Ozone	UV	Any Disinfection	Sources	Secure	Disinfection/Secure
AMB001AT	Amberley Town	1,578	Minor	×	$\checkmark$	-	-	-	-	-	SecureGW	All	All
AMB001BE	Amberley Beach	343	Small	×	$\checkmark$	-	-	-	-	-	SecureGW	All	All
AMU001RO	Rotherham Township and Rura	al 699	Minor	×	×	-	-	-	All	All	Groundwater	-	All
ASH002AS	Ashley/Sefton/Loburn	4,527	Minor	$\checkmark$	×	All	-	-	All	All	Groundwater	-	All
ASH002LB	Leithfield Beach	402	Small	$\checkmark$	$\checkmark$	-	-	-	-	-	SecureGW	All	All
ASH002LE	Leithfield	903	Minor	$\checkmark$	×	Some	-	-	Some	Some	Groundwater	Some	All
BAL003BA	Balmoral Rural	273	Small	$\checkmark$	×	All	-	-	-	All	Surface	-	All
BRO016BR	Broomfield	565	Minor	$\checkmark$	$\checkmark$	-	-	-	-	-	SecureGW	All	All
CHE001CT	Cheviot Town	795	Minor	$\checkmark$	×	All	-	-	-	All	Groundwater	-	All
CUL001CU	Culverden	366	Small	$\checkmark$	$\checkmark$	-	-	-	-	-	SecureGW	All	All
HAN001HA	Hanmer Town	948	Minor	$\checkmark$	×	-	-	-	All	All	Surface	-	All
HAW001HW	Hawarden/Waikari	753	Minor	$\checkmark$	×	-	-	-	All	All	Surface	-	All
KAI039KA	Kaiwara	129	Small	$\checkmark$	×	All	-	-	-	All	Surface	-	All
LOW010LW	Lower Waitohi	315	Small	$\checkmark$	×	All	-	-	-	All	Surface	-	All
MOT016MO	Motunau, Greta, Scargill	681	Minor	$\checkmark$	×	All	-	-	-	All	Surface	-	All
PAR009PA	Parnassus Rural	210	Small	$\checkmark$	×	All	-	-	-	All	Surface	-	All
WAI026WT	Waiau Township	255	Small	$\checkmark$	×	All	-	-	-	All	Groundwater	-	All
WAI066UP	Waitohi Upper, Waipara	513	Minor	×	×	All	-	-	-	All	Surface	-	All

Zone Code	Distribution Zone	Population	Size	Bacteria	Protozoa	Chlorination	CIO2	Ozone	UV	Any Disinfection	Sources	Secure	Disinfection/Secure
WAI067WA	Waiau Rural	435	Small	$\checkmark$	×	All	-	-	-	All	Surface	-	All
WAI068WA	Waipara Township	285	Small	$\checkmark$	×	All	-	-	-	All	Surface	-	All
Waimakarir	ri District												
Zone Code	Distribution Zone	Population	Size	Bacteria	Protozoa	Chlorination	CIO2	Ozone	UV	Any Disinfection	Sources	Secure	Disinfection/Secure
CUS001CU	Cust	343	Small	$\checkmark$	×	-	-	-	-	-	Groundwater	-	-
FER002FE	Fernside	210	Small	$\checkmark$	×	All	-	-	-	All	Groundwater	-	All
GAR001GA	Garrymere	105	Small	$\checkmark$	×	All	-	-	-	All	Groundwater	-	All
KAI003KA	, Kaiapoi	12,168	Large	$\checkmark$	$\checkmark$	-	-	-	-	-	SecureGW	All	All
MAN009MA	•	2,023	Minor	$\checkmark$	×	All	-	-	-	All	Groundwater	-	All
ОНО0010Н	Ohoka	218	Small	$\checkmark$	$\checkmark$	All	-	-	-	All	SecureGW	All	All
OXF101OX	Oxford Rural No1	775	Minor	$\checkmark$	×	All	-	-	-	All	Surface	-	All
OXF102OR	Oxford Rural No2	773	Minor	$\checkmark$	×	All	-	-	-	All	Surface	-	All
OXF103OX	Oxford Urban	2,173	Minor	$\checkmark$	$\checkmark$	-	-	-	-	-	SecureGW	All	All
PEG001PE	Pegasus	4,005	Minor	$\checkmark$	$\checkmark$	All	-	-	-	All	SecureGW	All	All
POY001PO	Poyntz Road	205	Small	$\checkmark$	×	All	-	-	-	All	Groundwater	-	All
RAN001RA	Rangiora	17,130	Large	$\checkmark$	$\checkmark$	-	-	-	-	-	SecureGW	All	All
WAI011KI	Waikuku Beach	1,150	Minor	$\checkmark$	×	-	-	-	-	-	Groundwater	-	-
WES004SU	Summerhill	428	Small	$\checkmark$	$\checkmark$	All	-	-	-	All	SecureGW	All	All
		168	Small	$\checkmark$	$\checkmark$	All	-	-	-	All	SecureGW	All	All
	) Woodend Town	2,678	Minor	$\checkmark$	$\checkmark$	-	-	-	-	-	SecureGW	All	All
Christchurc	ch City												
Zone Code	Distribution Zone	Population	Size	Bacteria	Protozoa	Chlorination	CIO2	Ozone	UV	Any Disinfection	Sources	Secure	Disinfection/Secure
AKA001AK	Akaroa	1,350	Minor	$\checkmark$	×	All	-	-	-	All	Surface	-	All
BIR001BI	Birdlings Flat	150	Small	$\checkmark$	×	-	-	-	All	All	Groundwater	-	All
BRO012BR	Brooklands / Kainga	1,600	Minor	$\checkmark$	$\checkmark$	-	-	-	-	-	SecureGW	All	All
CHR001CE	Central Christchurch	185,000	Large	$\checkmark$	$\checkmark$	-	-	-	-	-	SecureGW	All	All
CHR001PA	Parklands	16,000	Large	$\checkmark$	$\checkmark$	-	-	-	_	-	SecureGW	All	All
CHR001RI	Riccarton	10,000	Medium	$\checkmark$	$\checkmark$	-	-	-	-	-	SecureGW	All	All
CHR001RP	Rocky Point	2,500	Minor	$\checkmark$	$\checkmark$	-	-	-	-	-	SecureGW	All	All
CHR001WE	West Christchurch	42,000	Large	$\checkmark$	$\checkmark$	-	_	-	_	-	SecureGW	All	All
CHR002CI	Christchurch Int. Airport	6,000	Medium	×	$\checkmark$	-	_	-	_	-	SecureGW	All	All
		0,000											

Zone Code	Distribution Zone	Population	Size	Bacteria	Protozoa	Chlorination	CIO2	Ozone	UV	Any Disinfection	Sources	Secure	Disinfection/Secure
LIT001LI	Little River	240	Small	$\checkmark$	×	-	-	-	All	All	Surface	-	All
LYT001DI	Diamond Harbour	1,200	Minor	$\checkmark$	$\checkmark$	-	-	-	-	-	SecureGW	All	All
LYT001GO	Governors Bay	750	Minor	$\checkmark$	$\checkmark$	-	-	-	-	-	SecureGW	All	All
LYT001LY	Lyttelton	2,500	Minor	$\checkmark$	$\checkmark$	-	-	-	-	-	SecureGW	All	All
NOR012CH	Northwest Christchurch	80,000	Large	$\checkmark$	×	-	-	-	-	-	Groundwater	-	-
OKA010OK	Okains Bay	105	Small	×	×	-	-	-	-	-	Surface	-	-
TAK002TA	Takamatua	150	Small	$\checkmark$	×	All	-	-	-	All	Surface	-	All
WAI138WA	Wainui	200	Small	$\checkmark$	$\checkmark$	-	-	-	-	-	SecureGW	All	All
WAT006WB	Waterloo Business Pk, Stage 1	400	Small	×	×	-	-	-	Some	Some	Groundwater	-	Some

#### Selwyn District

Zone Code	Distribution Zone	Population	Size	Bacteria	Protozoa	Chlorination	CIO2	Ozone	UV	Any Disinfection	Sources	Secure	Disinfection/Secure
ART002AR	Arthurs Pass	350	Small	$\checkmark$	×	-	-	-	All	All	Surface	-	All
BUR001BU	Burnham Camp	2,000	Minor	×	$\checkmark$	All	-	-	-	All	SecureGW	All	All
CAS003CA	Castle Hill	299	Small	$\checkmark$	×	All	-	-	-	All	Surface	-	All
CLA005CL	Claremont	170	Small	$\checkmark$	$\checkmark$	-	-	-	-	-	SecureGW	All	All
DAR001DA	Darfield	3,520	Minor	$\checkmark$	$\checkmark$	-	-	-	-	-	SecureGW	All	All
DUN008DU	Dunsandel & Sherwood Estate	480	Small	$\checkmark$	×	-	-	-	All	All	Groundwater	-	All
EDE002ED	Edendale, Sandy Knolls	180	Small	$\checkmark$	×	-	-	-	-	-	Groundwater	-	-
JOH001JO	Johnson Rd, West Melton	160	Small	$\checkmark$	×	-	-	-	All	All	Groundwater	-	All
KIR001KI	Kirwee	1,207	Minor	$\checkmark$	$\checkmark$	-	-	-	-	-	SecureGW	All	All
LAK007LA	Lake Coleridge	148	Small	$\checkmark$	×	-	-	-	All	All	Surface	-	All
LEE001LE	Leeston	2,350	Minor	$\checkmark$	$\checkmark$	-	-	-	-	-	SecureGW	All	All
LIN002LI	Lincoln	5,400	Medium	$\checkmark$	$\checkmark$	-	-	-	-	-	SecureGW	All	All
MAL001DA	Dalethorpe	183	Small	$\checkmark$	×	All	-	-	All	All	Surface	-	All
MAL001MA	Malvern Hills, Hartleys Rd	1,409	Minor	×	×	-	-	-	All	All	Surface	-	All
PRE001PR	Prebbleton	3,906	Minor	$\checkmark$	$\checkmark$	-	-	-	-	-	SecureGW	All	All
RAK003RA	Rakaia Huts	313	Small	$\checkmark$	$\checkmark$	-	-	-	-	-	SecureGW	All	All
ROL001RO	Rolleston	15,047	Large	$\checkmark$	$\checkmark$	-	-	-	Some	Some	Groundwater	Some	Some
SEL001AC	Acheron	240	Small	$\checkmark$	×	All	-	-	-	All	Surface	-	All
SEL001HO	Hororata	920	Minor	×	×	All	-	-	All	All	Surface	-	All
SHE004SH	Sheffield/Waddington	585	Minor	×	×	-	-	-	All	All	Surface	-	All
SOU001SO	Southbridge	992	Minor	$\checkmark$	×	-	-	-	-	-	Groundwater	-	-
SPR002SP	Springfield	520	Minor	×	×	All	-	-	-	All	Surface	-	All
SPR003SP	Springston	510	Minor	$\checkmark$	$\checkmark$	-	-	-	-	-	SecureGW	All	All
TAI009TA	Таі Тари	606	Minor	$\checkmark$	$\checkmark$	-	-	-	-	-	SecureGW	All	All
WES010WE	West Melton	1,800	Minor	$\checkmark$	×	-	-	-	All	All	Groundwater	-	All

#### Ashburton District

Zone Code	Distribution Zone	Population	Size	Bacteria	Protozoa	Chlorination	CIO2	Ozone	UV	Any Disinfection	Sources	Secure	Disinfection/Secure
ASH003AS	Ashburton	18,500	Large	$\checkmark$	$\checkmark$	All	-	-	-	All	SecureGW	All	All
CHE002CH	Chertsey	230	Small	$\checkmark$	$\checkmark$	All	-	-	-	All	SecureGW	All	All
FAI001FA	Fairton	210	Small	$\checkmark$	$\checkmark$	All	-	-	-	All	SecureGW	All	All
HAK001HH	Hakatere Upper	110	Small	$\checkmark$	×	All	-	-	All	All	Groundwater	-	All
HIG002HI	Highbank Society Water Supply	y 220	Small	×	×	-	-	-	All	All	Groundwater	-	All
HIN001HI	Hinds	340	Small	$\checkmark$	$\checkmark$	All	-	-	-	All	SecureGW	All	All
LYN002LY	Lyndhurst	250	Small	×	$\checkmark$	-	-	-	-	-	SecureGW	All	All
MAY001MA	Mayfield	160	Small	$\checkmark$	$\checkmark$	All	-	-	-	All	SecureGW	All	All
MET001ME	Methven	1,700	Minor	$\checkmark$	×	All	-	-	All	All	Surface	-	All
MET002MS	Methven/Springfield	178	Small	$\checkmark$	×	All	-	-	All	All	Surface	-	All
MTS001MS	Mt Somers Township	260	Small	$\checkmark$	×	All	-	-	All	All	Surface	-	All
RAK001RA	Rakaia Township	1,100	Minor	$\checkmark$	$\checkmark$	All	-	-	-	All	SecureGW	All	All

Timaru Dist	trict												
Zone Code	Distribution Zone	Population	Size	Bacteria	Protozoa	Chlorination	CIO2	Ozone	UV	Any Disinfection	Sources	Secure	Disinfection/Secure
ARO002AO	Arowhenua	215	Small	×	×	-	-	-	-	-	Groundwater	-	-
DOW001ST	Sutherlands/Taiko	3,500	Minor	$\checkmark$	×	All	-	-	-	All	Surface	-	All
DOW001WR	Waimate Rural	350	Small	×	×	All	-	-	-	All	Surface	-	All
DOW001WT	Waitohi/Totara Valley	700	Minor	$\checkmark$	×	All	-	-	-	All	Surface	-	All
GER001GE	Geraldine	2,121	Minor	$\checkmark$	×	-	-	-	All	All	Groundwater	-	All
HAD001HA	Hadlow	312	Small	$\checkmark$	$\checkmark$	All	-	All	-	All	Surface	-	All
PAR002PA	Pareora	450	Small	$\checkmark$	$\checkmark$	All	-	-	All	All	Groundwater	-	All
PEE001PF	Peel Forest	130	Small	$\checkmark$	×	All	-	-	-	All	Groundwater	-	All
PLE001PP	Pleasant Point	1,200	Minor	$\checkmark$	×	-	-	-	All	All	Groundwater	-	All
SEA001SE	Seadown	750	Minor	$\checkmark$	×	All	-	-	All	All	Groundwater	-	All
STA004ST	St Andrews	280	Small	$\checkmark$	×	All	-	-	-	All	Groundwater	-	All
TEM001OR	Orari	180	Small	$\checkmark$	×	All	-	-	All	All	Groundwater	-	All
TEM001TE	Temuka	3,984	Minor	$\checkmark$	×	All	-	-	All	All	Groundwater	-	All
TEM001WI	Winchester	260	Small	$\checkmark$	×	All	-	-	All	All	Groundwater	-	All
TEM002GD	Geraldine Downs	450	Small	$\checkmark$	×	Some	-	-	Some	All	Mixed	-	All
TEM002GF	Geraldine Flat	200	Small	×	×	Some	-	-	Some	All	Mixed	-	All
TEM002TE	Te Moana	1,000	Minor	$\checkmark$	×	All	-	-	-	All	Surface	-	All
TIM001GL	Gleniti	3,400	Minor	$\checkmark$	$\checkmark$	All	-	All	-	All	Surface	-	All
TIM001TI	Timaru	23,432	Large	$\checkmark$	$\checkmark$	All	-	All	-	All	Surface	-	All

#### **Mackenzie District**

Zone Code	Distribution Zone	Population	Size	Bacteria	Protozoa	Chlorination	CIO2	Ozone	UV	Any Disinfection	Sources	Secure	Disinfection/Secure
ALB001AL	Albury Rural	125	Small	×	×	-	-	-	-	-	Surface	-	-
ALL001AL	Allandale	150	Small	$\checkmark$	×	All	-	-	-	All	Surface	-	All
FAI002FA	Fairlie	850	Minor	×	×	All	-	-	-	All	Groundwater	-	All
FAI002KI	Kimbell	150	Small	$\checkmark$	×	All	-	-	-	All	Groundwater	-	All
MTC001MT	Mt Cook	350	Small	$\checkmark$	$\checkmark$	-	-	-	All	All	Surface	-	All
TEK005TE	Tekapo	500	Small	×	×	All	-	-	All	All	Groundwater	-	All
TWI001TW	Twizel	1,300	Minor	$\checkmark$	×	All	-	-	All	All	Groundwater	-	All

#### Waimate District

Zone Code	Distribution Zone	Population	Size	Bacteria	Protozoa	Chlorination	CIO2	Ozone	UV	Any Disinfection	Sources	Secure	Disinfection/Secure
CAN001CM	Cannington/Motukaika	120	Small	×	×	All	-	-	-	All	Surface	-	All
HAK002HA	Hakataramea	165	Small	×	×	-	-	-	-	-	Surface	-	-
HOO001HW	Hook/Waituna	1,350	Minor	×	×	All	-	-	-	All	Surface	-	All
LOW002LO	Lower Waihao	600	Minor	$\checkmark$	×	All	-	-	-	All	Groundwater	-	All
OTA005OM	Otaio/Makikihi	430	Small	×	$\checkmark$	All	-	-	-	All	SecureGW	All	All
WAI031WA	Waihaorunga	141	Small	$\checkmark$	×	All	-	-	-	All	Surface	-	All
WAI032WA	Waikakahi	360	Small	$\checkmark$	×	All	-	-	-	All	Surface	-	All
WAI033WA	Waimate	3,000	Minor	$\checkmark$	$\checkmark$	All	-	-	-	All	SecureGW	All	All

#### Waitaki District

Distribution Zone	Population	Size	Bacteria	Protozoa	Chlorination	CIO2	Ozone	UV	Any Disinfection	Sources	Secure	Disinfection/Secure
Awamoko	399	Small	$\checkmark$	×	All	-	-	-	All	Surface	-	All
Hampden	237	Small	$\checkmark$	×	All	-	-	-	All	Surface	-	All
Moeraki	264	Small	$\checkmark$	×	All	-	-	-	All	Surface	-	All
Herbert	670	Minor	×	×	All	-	-	-	All	Surface	-	All
Kauru Hill	197	Small	$\checkmark$	×	All	-	-	-	All	Surface	-	All
Kurow Township	330	Small	$\checkmark$	$\checkmark$	All	-	-	All	All	Groundwater	-	All
Lower Waitaki	778	Minor	$\checkmark$	$\checkmark$	All	-	-	All	All	Groundwater	-	All
Maheno	152	Small	$\checkmark$	$\checkmark$	-	-	-	All	All	Groundwater	-	All
Oamaru, Ardgowan	252	Small	$\checkmark$	$\checkmark$	All	-	All	-	All	Surface	-	All
Oamaru, Central	4,622	Minor	$\checkmark$	$\checkmark$	All	-	All	-	All	Surface	-	All
Oamaru, Kakanui	520	Minor	×	$\checkmark$	All	-	All	-	All	Surface	-	All
Oamaru, North End	2,234	Minor	$\checkmark$	$\checkmark$	All	-	All	-	All	Surface	-	All
Oamaru, Reservoir Road	768	Minor	$\checkmark$	$\checkmark$	All	-	All	-	All	Surface	-	All
Oamaru, South Hill	3,933	Minor	$\checkmark$	$\checkmark$	All	-	All	-	All	Surface	-	All
Oamaru, Weston - Enfield	2,061	Minor	$\checkmark$	$\checkmark$	All	-	All	-	All	Surface	-	All
Omarama Town	270	Small	$\checkmark$	×	All	-	-	-	All	Groundwater	-	All
	Awamoko Hampden Moeraki Herbert Kauru Hill Kurow Township Lower Waitaki Maheno Damaru, Ardgowan Damaru, Ardgowan Damaru, Central Damaru, Central Damaru, Kakanui Damaru, North End Damaru, Reservoir Road Damaru, South Hill Damaru, Weston - Enfield	Awamoko399Hampden237Moeraki264Herbert670Kauru Hill197Kurow Township330Lower Waitaki778Maheno152Damaru, Ardgowan252Damaru, Central4,622Damaru, Kakanui520Damaru, North End2,234Damaru, South Hill3,933Damaru, Weston - Enfield2,061	Awamoko399SmallHampden237SmallMoeraki264SmallHerbert670MinorKauru Hill197SmallKurow Township330SmallLower Waitaki778MinorMaheno152SmallDamaru, Ardgowan252SmallDamaru, Central4,622MinorDamaru, North End2,234MinorDamaru, Reservoir Road768MinorDamaru, South Hill3,933MinorDamaru, Weston - Enfield2,061Minor	Awamoko399Small✓Hampden237Small✓Moeraki264Small✓Herbert670Minor×Kauru Hill197Small✓Kurow Township330Small✓Lower Waitaki778Minor✓Øaheno152Small✓Damaru, Ardgowan252Small✓Damaru, Central4,622Minor✓Damaru, Kakanui520Minor✓Damaru, Reservoir Road768Minor✓Damaru, South Hill3,933Minor✓Damaru, Weston - Enfield2,061Minor✓	Awamoko399Small✓×Hampden237Small✓×Moeraki264Small✓×Herbert670Minor××Kauru Hill197Small✓×Kurow Township330Small✓✓Lower Waitaki778Minor✓✓Oamaru, Ardgowan252Small✓✓Damaru, Central4,622Minor✓✓Damaru, Kakanui520Minor✓✓Damaru, Reservoir Road768Minor✓✓Damaru, South Hill3,933Minor✓✓Damaru, Weston - Enfield2,061Minor✓✓	Awamoko399Small✓×AllHampden237Small✓×AllMoeraki264Small✓×AllHerbert670Minor××AllKauru Hill197Small✓×AllKurow Township330Small✓✓AllLower Waitaki778Minor✓✓AllOamaru, Ardgowan252Small✓✓AllDamaru, Central4,622Minor✓✓AllDamaru, North End2,234Minor✓✓AllDamaru, Reservoir Road768Minor✓✓AllDamaru, Weston - Enfield2,061Minor✓✓All	Awamoko399Small✓×All-Hampden237Small✓×All-Moeraki264Small✓×All-Herbert670Minor××All-Gauru Hill197Small✓×All-Kauru Hill197Small✓×All-Cower Waitaki778Minor✓✓All-Oamaru, Ardgowan252Small✓✓All-Damaru, Central4,622Minor✓✓All-Damaru, Kakanui520Minor✓✓All-Damaru, Reservoir Road768Minor✓✓All-Damaru, Weston - Enfield2,061Minor✓✓All-	Awamoko399Small✓×AllHampden237Small✓×AllMoeraki264Small✓×AllHerbert670Minor××AllKauru Hill197Small✓×AllKurow Township330Small✓✓AllLower Waitaki778Minor✓✓AllDamaru, Ardgowan252Small✓✓All-AllDamaru, Kakanui520Minor✓✓All-AllDamaru, Reservoir Road768Minor✓✓All-AllDamaru, Weston - Enfield2,061Minor✓✓All-AllDamaru, Weston - Enfield2,061Minor✓✓All-All	Awamoko $399$ Small $\checkmark$ XAllHampden237Small $\checkmark$ XAllMoeraki264Small $\checkmark$ XAllHerbert670MinorXXAllKauru Hill197Small $\checkmark$ XAllKurow Township330Small $\checkmark$ XAllAllLower Waitaki778Minor $\checkmark$ $\checkmark$ AllAllDamaru, Ardgowan252Small $\checkmark$ $\checkmark$ All-All-Damaru, Kakanui520Minor $\checkmark$ $\checkmark$ All-All-Damaru, Reservoir Road768Minor $\checkmark$ $\checkmark$ All-All-Damaru, Weston - Enfield2,061Minor $\checkmark$ $\checkmark$ All-All-	Awamoko $399$ Small $\checkmark$ $\times$ All $  -$ AllHampden $237$ Small $\checkmark$ $\times$ All $  -$ AllMoeraki $264$ Small $\checkmark$ $\times$ All $  -$ AllHerbert $670$ Minor $\times$ $\times$ All $  -$ AllHerbert $670$ Minor $\times$ $\times$ All $  -$ AllKauru Hill $197$ Small $\checkmark$ $\times$ All $  -$ AllKurow Township $330$ Small $\checkmark$ $\checkmark$ All $ -$ AllAllLower Waitaki $778$ Minor $\checkmark$ $\checkmark$ All $ -$ AllAllDamaru, Ardgowan $252$ Small $\checkmark$ $\checkmark$ All $-$ AllAllDamaru, Central $4,622$ Minor $\checkmark$ $\checkmark$ All $-$ AllAllDamaru, North End $2,234$ Minor $\checkmark$ $\checkmark$ All $-$ All $-$ AllDamaru, South Hill $3,933$ Minor $\checkmark$ $\checkmark$ All $-$ All $-$ AllDamaru, Weston - Enfield $2,061$ Minor $\checkmark$ $\checkmark$ All $-$ All $-$ All	Awamoko399Small✓×AllAllSurfaceHampden237Small✓×AllAllSurfaceMoeraki264Small✓×AllAllSurfaceHerbert670Minor××AllAllSurfaceGauru Hill197Small✓×AllAllSurfaceKurow Township330Small✓✓AllAllAllGroundwater.ower Waitaki778Minor✓✓AllAllAllGroundwaterDamaru, Ardgowan252Small✓✓All-AllAllSurfaceDamaru, Kakanui520Minor✓✓All-All-AllSurfaceDamaru, North End2,234Minor✓✓All-All-AllSurfaceDamaru, South Hill3,933Minor✓✓All-All-AllSurfaceDamaru, Weston - Enfield2,061Minor✓✓All-All-AllSurfaceDamaru, Weston - Enfield2,061Minor✓✓All-All-AllSurfaceDamaru, Weston - Enfield2,061Minor✓✓All <td>Awamoko399Small✓×AllAllSurface-Hampden237Small✓×AllAllSurface-Moeraki264Small✓×AllAllSurface-Herbert670Minor××AllAllSurface-Gauru Hill197Small✓×AllAllSurface-Curow Township330Small✓✓AllAllAllGroundwaterower Waitaki778Minor✓✓AllAllAllGroundwater-Damaru, Ardgowan252Small✓✓All-AllAllSurface-Damaru, Kakanui520Minor✓✓All-All-AllSurface-Damaru, Reservoir Road768Minor✓✓All-All-AllSurface-Damaru, Weston - Enfield2,061Minor✓✓All-All-AllSurface-Damaru, Weston - Enfield2,061Minor✓✓All-All-AllSurface-Damaru, Weston - Enfield2,061Minor✓✓All-All-</td>	Awamoko399Small✓×AllAllSurface-Hampden237Small✓×AllAllSurface-Moeraki264Small✓×AllAllSurface-Herbert670Minor××AllAllSurface-Gauru Hill197Small✓×AllAllSurface-Curow Township330Small✓✓AllAllAllGroundwaterower Waitaki778Minor✓✓AllAllAllGroundwater-Damaru, Ardgowan252Small✓✓All-AllAllSurface-Damaru, Kakanui520Minor✓✓All-All-AllSurface-Damaru, Reservoir Road768Minor✓✓All-All-AllSurface-Damaru, Weston - Enfield2,061Minor✓✓All-All-AllSurface-Damaru, Weston - Enfield2,061Minor✓✓All-All-AllSurface-Damaru, Weston - Enfield2,061Minor✓✓All-All-

OTE001OT	Otematata Hydro Village	195	Small	×	×	-	-	-	All	All	Groundwater	-	All
TOK003TL	Tokarahi/Livingstone	573	Minor	$\checkmark$	×	All	-	-	-	All	Surface	-	All
WAI215DU	Waihemo, Dunback Rural	229	Small	$\checkmark$	$\checkmark$	All	-	-	All	All	Groundwater	-	All
WAI215GO	Waihemo, Goodwood Rural	270	Small	$\checkmark$	$\checkmark$	All	-	-	All	All	Groundwater	-	All
WAI215PA	Waihemo, Palmerston Town	858	Minor	$\checkmark$	$\checkmark$	All	-	-	All	All	Groundwater	-	All
WIN004WI	Windsor	137	Small	$\checkmark$	×	All	-	-	-	All	Surface	-	All

#### **Central Otago District**

Zone Code	Distribution Zone	Population	Size	Bacteria	Protozoa	Chlorination	CIO2	Ozone	UV	Any Disinfection	Sources	Secure	Disinfection/Secure
ALE001AL	Alexandra	5,000	Minor	$\checkmark$	×	All	-	-	-	All	Groundwater	-	All
ALE002BE	Bennys	104	Small	×	×	-	-	-	-	-	Groundwater	-	-
CLY001CL	Clyde Township	1,000	Minor	$\checkmark$	×	All	-	-	-	All	Groundwater	-	All
CRO001BA	Bannockburn	400	Small	$\checkmark$	×	All	-	-	-	All	Groundwater	-	All
CRO001CR	Cromwell	4,000	Minor	$\checkmark$	×	All	-	-	-	All	Groundwater	-	All
EAR002EA	Earnscleugh Water Scheme	120	Small	×	×	-	-	-	-	-	Groundwater	-	-
LAS003LA	Last Chance	120	Small	$\checkmark$	$\checkmark$	-	-	-	-	-	SecureGW	All	All
MIL006MI	Millers Flat	210	Small	$\checkmark$	$\checkmark$	-	-	-	All	All	Groundwater	-	All
NAS001NA	Naseby	150	Small	$\checkmark$	×	All	-	-	-	All	Surface	-	All
OMA005OM	I Omakau	350	Small	$\checkmark$	×	All	-	-	-	All	Surface	-	All
PAT003PA	Patearoa	260	Small	$\checkmark$	×	All	-	-	-	All	Surface	-	All
PIS001PI	Pisa Moorings	157	Small	$\checkmark$	×	-	-	-	-	-	Groundwater	-	-
PIS002PI	Pisa Village	250	Small	$\checkmark$	×	All	-	-	All	All	Groundwater	-	All
RAN002RA	Ranfurly	750	Minor	$\checkmark$	×	All	-	-	-	All	Surface	-	All
ROX001RO	Roxburgh	700	Minor	$\checkmark$	×	All	-	-	All	All	Groundwater	-	All

#### **Dunedin City**

Zone Code	Distribution Zone	Population	Size	Bacteria	Protozoa	Chlorination	CIO2	Ozone	UV	Any Disinfection	Sources	Secure	Disinfection/Secure
DUN001BO	Booth Road, Dunedin	37,036	Large	$\checkmark$	$\checkmark$	All	-	-	-	All	Surface	-	All
DUN001GI	Green Island	10,199	Large	$\checkmark$	$\checkmark$	All	-	-	-	All	Surface	-	All
DUN001LL	Low Levels/Peninsula, Dunedir	n 37,726	Large	$\checkmark$	$\checkmark$	All	-	-	-	All	Surface	-	All
DUN001MH	Maori Hill	13,785	Large	$\checkmark$	$\checkmark$	All	-	-	-	All	Surface	-	All
DUN001PC	Port Chalmers	2,469	Minor	$\checkmark$	$\checkmark$	All	-	-	-	All	Surface	-	All
DUN001WI	Wingatui, Dunedin	1,124	Minor	$\checkmark$	$\checkmark$	All	-	-	-	All	Surface	-	All
MOS001EA	East Taieri	300	Small	$\checkmark$	$\checkmark$	-	-	-	-	-	SecureGW	All	All
MOS001KI	Kinmont	341	Small	$\checkmark$	$\checkmark$	-	-	-	-	-	SecureGW	All	All
MOS001QH	Quarry Hill	9,535	Medium	$\checkmark$	$\checkmark$	-	-	-	-	-	SecureGW	All	All
OUT001OU	Outram Township	750	Minor	$\checkmark$	$\checkmark$	All	-	-	All	All	Surface	-	All
WAI015WK	Waikouaiti/Karitane/Seacliff	1,642	Minor	$\checkmark$	$\checkmark$	All	-	-	-	All	Surface	-	All
WES002WE	West Taieri Scheme	450	Small	$\checkmark$	$\checkmark$	All	-	-	-	All	Surface	-	All

#### **Clutha District**

Zone Code	Distribution Zone	Population	Size	Bacteria	Protozoa	Chlorination	CIO2	Ozone	UV	Any Disinfection	Sources	Secure	Disinfection/Secure
BAL001BA	Balclutha	3,918	Minor	$\checkmark$	×	All	-	-	All	All	Surface	-	All
CLY005CL	Clinton Township	285	Small	$\checkmark$	×	All	-	-	-	All	Groundwater	-	All
CLY005RU	Clydevale-Pomahaka Rural	493	Small	$\checkmark$	×	All	-	-	-	All	Groundwater	-	All
GLE001GK	Glenkenich Rural	705	Minor	×	×	All	-	-	-	All	Surface	-	All
KAI005KA	Kaitangata Township	762	Minor	$\checkmark$	×	All	-	-	-	All	Surface	-	All
LAW001LT	Lawrence	417	Small	$\checkmark$	×	All	-	-	-	All	Surface	-	All
MIL001MT	Milton	1,929	Minor	$\checkmark$	×	All	-	-	-	All	Surface	-	All
MIL0010C	Otago Corrections Facility	600	Minor	$\checkmark$	×	All	-	-	-	All	Surface	-	All
MOA001MF	Moa Flat Rural	534	Minor	$\checkmark$	×	All	-	-	-	All	Surface	-	All
NOR003NB	North Bruce Rural	658	Minor	$\checkmark$	×	All	-	-	-	All	Surface	-	All
NOR003WT	Waihola Township	270	Small	×	×	All	-	-	-	All	Surface	-	All
OWA001OW	/ Owaka	303	Small	$\checkmark$	×	All	-	-	-	All	Groundwater	-	All
RIC009KA	Kaka Point Township	222	Small	$\checkmark$	×	All	-	-	-	All	Surface	-	All
RIC009NO	Richardson Rural North	312	Small	$\checkmark$	×	All	-	-	-	All	Surface	-	All
RIC009SO	Richardson Rural South	469	Small	$\checkmark$	×	All	-	-	-	All	Surface	-	All
STI002SB	South Bruce Rural	434	Small	$\checkmark$	×	All	-	-	-	All	Surface	-	All
STI002ST	Stirling Township	303	Small	$\checkmark$	×	All	-	-	-	All	Surface	-	All
TAP001TA	Tapanui	726	Minor	$\checkmark$	×	All	-	-	-	All	Surface	-	All
TUA004TW	Tuapeka West Rural	283	Small	$\checkmark$	×	All	-	-	-	All	Surface	-	All
WAI016B1	Balmoral 1 Rural	247	Small	$\checkmark$	×	All	-	-	-	All	Surface	-	All
WAI016B2	Balmoral 2 Rural	399	Small	$\checkmark$	×	All	-	-	-	All	Surface	-	All
WAI016TE	Tuapeka East Rural	276	Small	$\checkmark$	×	All	-	-	-	All	Surface	-	All

#### Queenstown Lakes District

Zone Code	Distribution Zone	Population	Size	Bacteria	Protozoa	Chlorination	CIO2	Ozone	UV	Any Disinfection	Sources	Secure	Disinfection/Secure
ARR001AR	Arrowtown	3,587	Minor	$\checkmark$	×	-	-	-	All	All	Groundwater	-	All
ART001AP	Arthurs Point	1,248	Minor	$\checkmark$	×	-	-	-	All	All	Groundwater	-	All
CAM008CA	Camphill Estate	132	Small	$\checkmark$	×	-	-	-	-	-	Groundwater	-	-
GLE003GL	Glenorchy	1,232	Minor	$\checkmark$	×	-	-	-	-	-	Groundwater	-	-
HAW002HA	Hawea	2,444	Minor	$\checkmark$	×	-	-	-	All	All	Groundwater	-	All
JAC002JA	Jacks Point	600	Minor	$\checkmark$	$\checkmark$	All	-	-	All	All	Surface	-	All
LAK003ES	Lake Hayes Est & Shotover Ctry	/ 799	Minor	$\checkmark$	$\checkmark$	All	-	-	All	All	Groundwater	-	All
LAK003LH	Lake Hayes	1,697	Minor	$\checkmark$	$\checkmark$	All	-	-	All	All	Groundwater	-	All
LUG001LU	Luggate	855	Minor	$\checkmark$	×	-	-	-	-	-	Groundwater	-	-
QUE001KE	Kelvin Heights	4,400	Minor	$\checkmark$	×	All	-	-	Some	All	Surface	-	All
QUE001QU	Queenstown	15,600	Large	$\checkmark$	×	All	-	-	Some	All	Surface	-	All
WAN002AL	Albert Town	506	Minor	$\checkmark$	×	All	-	-	-	All	Surface	-	All
WAN002WA	Wanaka	9,608	Medium	$\checkmark$	×	All	-	-	-	All	Surface	-	All
WAN007WA	Wanaka Airport	150	Small	$\checkmark$	×	-	-	-	-	-	Groundwater	-	
Gore Distri	ct												
Zone Code	Distribution Zone	Population	Size	Bacteria	Protozoa	Chlorination	CIO2	Ozone	UV	Any Disinfection	Sources	Secure	Disinfection/Secure
GOR001GO	Gore	7,480	Medium	×	х	All	-	-	-	All	Groundwater	-	All
MAT002MA	Mataura	1,790	Minor	×	×	All	-	-	-	All	Surface	-	All
OTA004OT	Otama	300	Small	$\checkmark$	×	-	-	-	-	-	Groundwater	-	-
Invercargill	City												
Zone Code	Distribution Zone	Population	Size	Bacteria	Protozoa	Chlorination	CIO2	Ozone	UV	Any Disinfection	Sources	Secure	Disinfection/Secure
INV001BL	Bluff	2,956	Minor	$\checkmark$	×	All	-	-	All	All	Surface	-	All
INV001IN	Invercargill City	47,500	Large	$\checkmark$	×	All	-	-	All	All	Surface	-	All

#### Southland District

Zone Code	Distribution Zone	Population	Size	Bacteria	Protozoa	Chlorination	CIO2	Ozone	UV	Any Disinfection	Sources	Secure	Disinfection/Secure
EDE001ED	Edendale	558	Minor	$\checkmark$	×	All	-	-	All	All	Groundwater	-	All
EDE001WY	Wyndham	594	Minor	$\checkmark$	×	All	-	-	All	All	Groundwater	-	All
LUM001BA	Lumsden/Balfour Rural	608	Minor	$\checkmark$	×	All	-	-	All	All	Groundwater	-	All
LUM001LU	Lumsden	453	Small	$\checkmark$	×	All	-	-	All	All	Groundwater	-	All
MAN006MA	Manapouri	228	Small	$\checkmark$	×	All	-	-	All	All	Surface	-	All
MIL007MI	Milford Sound	350	Small	×	×	All	-	-	-	All	Surface	-	All
MOS002MO	Mossburn	201	Small	$\checkmark$	×	All	-	-	All	All	Groundwater	-	All
OHA009NI	Nightcaps	306	Small	$\checkmark$	$\checkmark$	All	-	-	-	All	Surface	-	All
OHA009OH	Ohai	303	Small	$\checkmark$	$\checkmark$	All	-	-	-	All	Surface	-	All
OTA001OT	Otautau	798	Minor	$\checkmark$	×	All	-	-	All	All	Groundwater	-	All
RIV001RI	Riverton	1,506	Minor	$\checkmark$	×	All	-	-	-	All	Surface	-	All
TEA002TE	Te Anau	2,628	Minor	$\checkmark$	$\checkmark$	All	-	-	All	All	Groundwater	-	All
TUA001TU	Tuatapere	561	Minor	$\checkmark$	×	All	-	-	All	All	Groundwater	-	All
WIN001WI	Winton	2,436	Minor	$\checkmark$	×	All	-	-	All	All	Groundwater	-	All