Annual Report on Drinking-water 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 requirment. 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.

# 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.

# 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 drinking-water 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.[[1]](#footnote-2) 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. 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.

# 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.

## 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[[2]](#footnote-3).

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).

## 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).

### 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.

#### 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).

#### 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).

#### 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.

#### 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).

#### 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.

#### Records

Large 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 large supplies:

100% received water with adequate records kept.

#### 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.

#### 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.

### 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.

#### 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).

#### 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).

#### 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).

#### 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.

#### 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.

#### 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.

#### 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.

#### 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).

### 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.

#### 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).

#### 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).

#### 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).

#### 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).

#### 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).

#### Records

Minor 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 minor supplies:

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

#### 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).

#### 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).

### 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.

#### 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).

#### 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).

#### 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.

#### 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).

#### 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).

#### 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).

#### 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).

#### 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).

# Interpretation and discussion

## 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).

## 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.

Table 2: Achievement against the Standards between reporting periods

Percentages are for population served.

|  |  |  |  |
| --- | --- | --- | --- |
| 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% |

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,[[3]](#footnote-4) such as inadequate sampling,[[4]](#footnote-5) or because of failures that are a direct public health concern,[[5]](#footnote-6) 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.

## 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[[6]](#footnote-7) 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.

Table 3: Bacteriological achievement against the Standards between reporting years

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 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.[[7]](#footnote-8) 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.

### 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,[[8]](#footnote-9) 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.

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.

### 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[[9]](#footnote-10) 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.[[10]](#footnote-11)

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.

### 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.

## 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

Percentages are for population served.

|  |  |  |  |
| --- | --- | --- | --- |
| 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 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.

## 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\* |
| 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).

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.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Chemical | Population Assigned | Population Achieved | Percent Achieved | Zones Assigned | Zones 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# | 2,524,000 | 2,417,000 | 95.8% | 183 | 155 |

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.

### 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.

### Other chemical determinands

#### 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.

#### 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.

#### 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[[11]](#footnote-12) 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.

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.

### Chemical monitoring and remedial action

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

#### 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.

#### 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.

## 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# | 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.

## Meeting legislative requirements

### 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,[[12]](#footnote-13) 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

|  |  |  |  |
| --- | --- | --- | --- |
| Reporting Year | 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%# | 100% | -0.1%\*\* |
| Complaints | 99.9%# | 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.

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# | 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\* |
| All 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% |
| Large 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% |
| Minor 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# | 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.

### Requirements by section of the Health Act 1956

#### 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.

#### 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.

#### Source protection (section 69U)

Protecting the quality of source waters is probably the most important component of the multi-barrier 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.

#### 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[[13]](#footnote-14).

#### 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.

#### 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.

## 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.

3,815,000 people in 661 zones (Overall bacteriological achievement was 96.2%)

|  |  |  |  |
| --- | --- | --- | --- |
| 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.

Appendix 1. Achievement against the Standards

**KEY**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Column** | **Scope** | **Size** | **Population** | **Symbol** | **Meaning** |
| Bacteria | Zone bacteria achievement with Standards | Small | 101 to 500 | 🗸 | 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 Type Bacteria Protozoa Chemical

BRE001BR Bream Bay 5,900 Medium Local Authority 🞩 🞩 🗸

HUK001HU Hukerenui School 150 Small Education Public 🗸 🗸 🗸

MAU002MA Maungakaramea 200 Small Local Authority 🗸 🗸 🗸

WHA007HE Whangarei Heads 7,200 Medium Local Authority 🗸 🗸 🗸

WHA007HI Hikurangi 1,330 Minor Local Authority 🗸 🗸 🗸

WHA007WH Whangarei 48,000 Large Local Authority 🗸 🗸 🗸

Far North District

Zone Code Distribution Zone Population Size Type Bacteria Protozoa Chemical

CAR011CA Carrington Estate 120 Small Private Other 🗸 🗸 🗸

DOU004EC East Coast Bays 2,000 Minor Private Other 🗸 🞩 🗸

KAI006KA Kaikohe 4,000 Minor Local Authority 🗸 🗸 🗸

KAI006NG Ngawha Springs 200 Small Local Authority 🗸 🗸 🗸

KAI008KA Kaitaia 5,400 Medium Local Authority 🗸 🗸 🗸

KAW002KA Kawakawa 1,500 Minor Local Authority 🗸 🗸 🗸

KAW002MO Moerewa / Otiria 2,000 Minor Local Authority 🗸 🗸 🗸

KER001KE Kerikeri 6,200 Medium Local Authority 🗸 🗸 🗸

KER001WA Waipapa 500 Small Local Authority 🗸 🗸 🗸

NGA046NG Ngati Rehia Wai Trust 120 Small Marae 🞩 🞩 🗸

OKA003OK Okaihau 800 Minor Local Authority 🗸 🗸 🗸

OMA002OM Omapere 900 Minor Local Authority 🗸 🗸 🞩

PAI001HA Haruru Falls 1,000 Minor Local Authority 🗸 🗸 🗸

PAI001OP Opua 1,000 Minor Local Authority 🗸 🗸 🗸

PAI001PA Paihia 2,000 Minor Local Authority 🗸 🗸 🗸

PAK003PA Pakanae 160 Small Communal 🞩 🗸 🗸

RAW001RA Rawene 600 Minor Local Authority 🗸 🗸 🗸

RUS004RU Russell Township-Commercial 200 Small Private Other 🗸 🗸 🗸

WAI045WA Waipapa, Lock 150 Small Private Other 🗸 🗸 🗸

WAI226WA Waima Hapu Community 200 Small Private Other 🞩 🞩 🗸

WHI012WH Whirinaki Water Board 400 Small Private Other 🞩 🞩 🗸

Kaipara District

Zone Code Distribution Zone Population Size Type Bacteria Protozoa Chemical

DAR002BB Baylys Beach 228 Small Local Authority 🗸 🗸 🗸

DAR002DT Dargaville Town 4,455 Minor Local Authority 🗸 🗸 🗸

KAI007KD Kaihu-Dargaville 324 Small Local Authority 🞩 🞩 🗸

MAN003MA Mangawhai Heads 200 Small Local Authority 🗸 🞩 🗸

MAU001MA Maungaturoto 900 Minor Local Authority 🗸 🞩 🗸

RUA001RU Ruawai 426 Small Local Authority 🗸 🗸 🗸

Greater Auckland (Watercare)

Zone Code Distribution Zone Population Size Type Bacteria Protozoa Chemical

AUC003AA Auckland Airport 4,557 Minor Local Authority 🗸 🗸 🗸

AUC003AU Auckland 261,638 Large Local Authority 🗸 🗸 🗸

AUC003AZ Anzac 3,445 Minor Local Authority 🗸 🗸 🗸

AUC003BU Buckland 609 Minor Local Authority 🗸 🗸 🗸

AUC003CB Central Business Dist.Auckland 14,590 Large Local Authority 🗸 🗸 🗸

AUC003CL Clarks/Waiau Beach 1,332 Minor Local Authority 🗸 🗸 🗸

AUC003EB East Tamaki/Botany 36,914 Large Local Authority 🗸 🗸 🗸

AUC003GL Glenbrook Beach 393 Small Local Authority 🗸 🗸 🗸

AUC003GN Glen Eden/New Lynn 56,785 Large Local Authority 🗸 🗸 🗸

AUC003HE Henderson 125,916 Large Local Authority 🗸 🗸 🗸

AUC003HH High Head 4,000 Minor Local Authority 🗸 🗸 🗸

AUC003HI Hillsborough 62,355 Large Local Authority 🗸 🗸 🗸

AUC003HO Howick/Pakuranga 94,803 Large Local Authority 🗸 🗸 🗸

AUC003HT Hilltop 947 Minor Local Authority 🗸 🗸 🗸

AUC003HW HBC/Waiwera 28,898 Large Local Authority 🗸 🗸 🗸

AUC003KI Kitchener 14,866 Large Local Authority 🗸 🗸 🗸

AUC003LA Laingholm 2,457 Minor Local Authority 🗸 🗸 🗸

AUC003MA Maungawhau 45,267 Large Local Authority 🗸 🗸 🗸

AUC003MG Mangere 71,629 Large Local Authority 🗸 🗸 🗸

AUC003MO Montana 4,615 Minor Local Authority 🗸 🗸 🗸

AUC003MT Mt Hobson 30,526 Large Local Authority 🗸 🗸 🗸

AUC003MW Manurewa 72,305 Large Local Authority 🗸 🗸 🗸

AUC003ON Onehunga 27,101 Large Local Authority 🗸 🗸 🗸

AUC003OP Otara/Papatoetoe/Manukau Cent. 58,441 Large Local Authority 🗸 🗸 🗸

AUC003OR Oratia 1,596 Minor Local Authority 🗸 🗸 🗸

AUC003OT Otahuhu 11,083 Large Local Authority 🗸 🗸 🗸

AUC003PT Patumahoe 606 Minor Local Authority 🗸 🗸 🗸

AUC003SO North Shore Sth. 151,400 Large Local Authority 🗸 🗸 🗸

AUC003SW Swanson 4,540 Minor Local Authority 🗸 🗸 🗸

AUC003TH Te Henga 1,085 Minor Local Authority 🗸 🗸 🗸

AUC003WE North Shore West 71,300 Large Local Authority 🗸 🗸 🗸

AUC003WH Whenuapai 5,460 Medium Local Authority 🗸 🗸 🗸

BOM003BO Bombay 609 Minor Local Authority 🗸 🗸 🗸

BUR004BU Burnside Road 352 Small Local Authority 🗸 🗸 🗸

HEL005HP Helensville/Parakai 4,579 Minor Local Authority 🗸 🗸 🞩

HUI006HV Huia Village 597 Minor Local Authority 🗸 🗸 🗸

MUR011MU Muriwai 563 Minor Local Authority 🗸 🗸 🗸

PAP001PC Papakura City 32,421 Large Local Authority 🗸 🗸 🗸

PAP001RH Red Hill 2,475 Minor Local Authority 🗸 🗸 🗸

PAP001TA Takanini 13,617 Large Local Authority 🗸 🗸 🗸

SNE002SN Snells/Algies 4,664 Minor Local Authority 🗸 🗸 🗸

WAI214WA Waiuku 8,697 Medium Local Authority 🗸 🗸 🗸

WAR006WA Warkworth 4,111 Minor Local Authority 🗸 🗸 🗸

WEL004WE Wellsford/Te Hana 2,114 Minor Local Authority 🗸 🗸 🗸

Greater Auckland

Zone Code Distribution Zone Population Size Type Bacteria Protozoa Chemical

BOM002BO Bombay Motorway Services 200 Small Private Other 🗸 🗸 🗸

BRO015BP Broadway Park, Newmarket 1,000 Minor Private Other 🞩 🗸 🗸

HAR005HA Haranui Whanau 200 Small Marae 🞩 🗸 🗸

KEN005KP Kensington Park 450 Small Private Other 🗸 🗸 🗸

KIN002KH Kingseat Community 400 Small Private Other 🗸 🗸 🗸

MAT034MA Matiatia Wharf 800 Minor Local Authority 🗸 🞩 🗸

PIN003PI Pine Harbour 150 Small Private Other 🗸 🗸 🗸

WAI197GL Waiuku, Glenbrook Beach Road 200 Small Private Other 🗸 🗸 🗸

Thames Coromandel District

Zone Code Distribution Zone Population Size Type Bacteria Protozoa Chemical

COR001CO Coromandel 1,657 Minor Local Authority 🞩 🞩 🗸

HAH001HA Hahei, Harsant Subdivision 457 Small Local Authority 🗸 🞩 🗸

HAH003PA Hahei, Pa Road 200 Small Private Other 🞩 🞩 🗸

MAT009MA Matatoki 150 Small Local Authority 🞩 🞩 🗸

MAT010MA Matarangi 279 Small Local Authority 🗸 🞩 🗸

ONE002ON Onemana 170 Small Local Authority 🞩 🞩 🗸

PAU001PA Pauanui 747 Minor Local Authority 🗸 🞩 🗸

PUR003PU Puriri 150 Small Local Authority 🞩 🞩 🗸

TAI002TA Tairua 1,335 Minor Local Authority 🗸 🞩 🗸

TEP007AP Te Puru - Aputa Ave 200 Small Local Authority 🞩 🞩 🗸

THA001TK Thames - Kopu 7,657 Medium Local Authority 🗸 🞩 🞩

WHA003WH Whangamata 3,665 Minor Local Authority 🞩 🞩 🗸

WHI001WH Whitianga 4,115 Minor Local Authority 🗸 🞩 🗸

Hauraki District

Zone Code Distribution Zone Population Size Type Bacteria Protozoa Chemical

KAI013KA Kaimanawa 204 Small Local Authority 🗸 🞩 🗸

KAR001KA Karangahake 147 Small Local Authority 🗸 🞩 🞩

KER005KE Kerepehi 1,371 Minor Local Authority 🗸 🞩 🗸

KER005TU Turua 1,181 Minor Local Authority 🗸 🞩 🗸

MAC003MA Mackaytown 174 Small Local Authority 🞩 🞩 🗸

PAE001OH Ohinemuri 702 Minor Local Authority 🗸 🞩 🗸

PAE001PA Paeroa 3,864 Minor Local Authority 🗸 🞩 🗸

WAI003WA Waihi 4,623 Minor Local Authority 🗸 🞩 🗸

WAI043WA Waikino 304 Small Local Authority 🗸 - 🗸

WAI201WA Waitakaruru 2,076 Minor Local Authority 🗸 🞩 🗸

Waikato District

Zone Code Distribution Zone Population Size Type Bacteria Protozoa Chemical

HUN002HU Huntly 7,210 Medium Local Authority 🗸 🗸 🗸

HUN002RO Rotongaro 130 Small Local Authority 🗸 🗸 🗸

NGA002HO Horotiu 459 Small Local Authority 🗸 🗸 🗸

NGA002HP Hopuhopu 200 Small Local Authority 🗸 🗸 🗸

NGA002NG Ngaruawahia 5,691 Medium Local Authority 🗸 🗸 🗸

NGA002TA Taupiri 529 Minor Local Authority 🗸 🗸 🗸

NOR013NO North Western Dist, Waikato DC 115 Small Local Authority 🗸 🗸 🗸

POK001PO Pokeno 519 Minor Local Authority 🗸 🗸 🗸

RAG001RA Raglan 3,187 Minor Local Authority 🗸 🗸 🗸

SOU009SO Southern Districts, Waikato DC 5,466 Medium Local Authority 🗸 🗸 🗸

TEK001TR Te Kauwhata / Rangiriri 1,410 Minor Local Authority 🗸 🗸 🗸

TEK001WH Whangamarino Rural / Meremere 739 Minor Local Authority 🗸 🗸 🗸

TUA002TN Tuakau North 823 Minor Local Authority 🗸 🗸 🗸

TUA002TS Tuakau South 3,119 Minor Local Authority 🗸 🗸 🗸

Matamata Piako District

Zone Code Distribution Zone Population Size Type Bacteria Protozoa Chemical

MAT004MA Matamata Township 6,309 Medium Local Authority 🞩 🞩 🗸

MAT004WA Waharoa 634 Minor Local Authority 🗸 🞩 🗸

MOR001MO Morrinsville Township 6,603 Medium Local Authority 🗸 🞩 🗸

TAH001TA Tahuna Township 120 Small Local Authority 🞩 🞩 🗸

TAT005FA Tatua Dairy Factory Endpoint 200 Small Private Other 🞩 🗸 🗸

TEA003TE Te Aroha 3,768 Minor Local Authority 🗸 🗸 🗸

WAI049WA Waitoa Village & Factory 500 Small Private Other 🗸 🞩 🞩

Hamilton City

Zone Code Distribution Zone Population Size Type Bacteria Protozoa Chemical

HAM001HA Hamilton City 130,813 Large Local Authority 🗸 🗸 🗸

HAM001RU Ruakura/Ryburn Road 151 Small Local Authority 🗸 🗸 🗸

HAM001TE Temple View, Hamilton 1,413 Minor Local Authority 🗸 🗸 🗸

Waipa District

Zone Code Distribution Zone Population Size Type Bacteria Protozoa Chemical

CAM001CA Cambridge 13,368 Large Local Authority 🗸 🞩 🗸

CAM001KA Karapiro Village 132 Small Local Authority 🞩 🗸 🗸

HAM006IT East Side Terminal 400 Small Private Other 🗸 🗸 🗸

HAM006WE West Side Aviation Area 350 Small Private Other 🗸 🞩 🗸

KIH001KI Kihikihi 2,000 Minor Local Authority 🗸 🗸 🗸

PUK001OH Ohaupo 468 Small Local Authority 🗸 🗸 🗸

PUK001PU Pukerimu Rural 3,278 Minor Local Authority 🗸 🗸 🗸

TEA001PI Pirongia 1,500 Minor Local Authority 🗸 🗸 🗸

TEA001TE Te Awamutu Township 9,165 Medium Local Authority 🗸 🗸 🗸

TOK006TH Tokanui 250 Small Communal 🗸 🗸 🗸

Otorohanga District

Zone Code Distribution Zone Population Size Type Bacteria Protozoa Chemical

ARO001AO Aotearoa Road,Arohena 120 Small Local Authority 🗸 🞩 🗸

ARO001MA Mangare Road, Arohena 120 Small Local Authority 🗸 🞩 🗸

KAW001KA Kawhia Township 390 Small Local Authority 🗸 🞩 🗸

OTO001OT Otorohanga 2,875 Minor Local Authority 🗸 🞩 🗸

OTO001WA Waipa 175 Small Local Authority 🗸 🞩 🗸

TIH001TI Tihiroa 400 Small Local Authority 🗸 🞩 🗸

South Waikato District

Zone Code Distribution Zone Population Size Type Bacteria Protozoa Chemical

ARA003AR Arapuni 300 Small Local Authority 🗸 🞩 🗸

PUT001PU Putaruru 4,116 Minor Local Authority 🗸 🞩 🗸

TIR001TI Tirau 700 Minor Local Authority 🗸 🗸 🗸

TOK001TO Tokoroa 13,300 Large Local Authority 🗸 🞩 🗸

Waitomo District

Zone Code Distribution Zone Population Size Type Bacteria Protozoa Chemical

BEN002BE Benneydale 280 Small Local Authority 🗸 🞩 🗸

MOK002MO Mokau, Waitomo 200 Small Local Authority 🗸 🞩 🗸

PIO001PI Piopio 500 Small Local Authority 🗸 🞩 🗸

TAH002TA Taharoa Village 300 Small Private Other 🞩 🞩 🗸

TEK003TE Te Kuiti 4,612 Minor Local Authority 🗸 🞩 🗸

WAI012WC Waitomo Caves 500 Small Private Other 🞩 🞩 🗸

Ruapehu District

Zone Code Distribution Zone Population Size Type Bacteria Protozoa Chemical

NAT001NA National Park 240 Small Local Authority 🗸 🞩 🗸

OHA001OH Ohakune Township 1,500 Minor Local Authority 🗸 🞩 🗸

OHU001OH Ohura 160 Small Local Authority 🗸 🞩 🗸

OWH001OW Owhango 200 Small Local Authority 🗸 🞩 🗸

PIR001PI Piriaka 120 Small Communal 🞩 🞩 🗸

RAE001RA Raetihi Township 749 Minor Local Authority 🞩 🞩 🞩

TAU003TA Taumarunui 4,870 Minor Local Authority 🗸 🞩 🗸

WAI002WA Waiouru Township 2,800 Minor Government Other 🞩 🞩 🞩

WHA015WV Whakapapa Village 200 Small DOC 🗸 🞩 🗸

Western Bay of Plenty District

Zone Code Distribution Zone Population Size Type Bacteria Protozoa Chemical

ATH003AT Athenree 5,125 Medium Local Authority 🗸 🗸 🗸

KAT003KA Katikati 5,700 Medium Local Authority 🗸 🗸 🗸

OMO003OM Omokoroa Minden 6,450 Medium Local Authority 🗸 🗸 🗸

PON003PO Pongakawa 4,600 Minor Local Authority 🗸 🗸 🗸

TEP002TP Te Puke 8,260 Medium Local Authority 🗸 🗸 🗸

TEP029TB Te Puke Bush 200 Small Local Authority 🗸 🗸 🗸

Tauranga City

Zone Code Distribution Zone Population Size Type Bacteria Protozoa Chemical

TAU004MP Mt Maunganui - Papamoa 52,000 Large Local Authority 🗸 🗸 🗸

TAU004TB Tauranga - Bethlehem 51,783 Large Local Authority 🗸 🗸 🗸

Whakatane District

Zone Code Distribution Zone Population Size Type Bacteria Protozoa Chemical

MAT005MA Matata 690 Minor Local Authority 🗸 🞩 🗸

MUR002MU Murupara 2,060 Minor Local Authority 🗸 🞩 🗸

RAN007ED Edgecumbe 1,430 Minor Local Authority 🗸 🞩 🞩

RAN007PR Rangitaiki Plains Rural 2,486 Minor Local Authority 🗸 🞩 🞩

RAN007TE Te Teko 346 Small Local Authority 🗸 🞩 🞩

RUA003RU Ruatoki 560 Minor Local Authority 🗸 🞩 🗸

RUA008RU Ruatahuna Village 300 Small Private Other 🞩 🞩 🗸

TAN001TA Taneatua 790 Minor Local Authority 🗸 🞩 🗸

TEM004TE Te Mahoe 120 Small Local Authority 🗸 🞩 🗸

WAI017WA Waimana 160 Small Local Authority 🗸 🞩 🗸

WHA005OH Ohope 6,000 Medium Local Authority 🗸 🞩 🗸

WHA005WH Whakatane 15,020 Large Local Authority 🗸 🞩 🗸

Kawerau District

Zone Code Distribution Zone Population Size Type Bacteria Protozoa Chemical

KAW003KA Kawerau 6,921 Medium Local Authority 🗸 🞩 🗸

KAW003UV Upper Valley Road 800 Minor Local Authority 🞩 🞩 🗸

Opotiki District

Zone Code Distribution Zone Population Size Type Bacteria Protozoa Chemical

KAI054KA Kaiaio Hapu 160 Small Marae 🞩 🞩 🗸

KUT003KU Kutarere 300 Small Communal 🞩 🞩 🗸

OMA016OM Omaio 180 Small Private Other 🞩 🞩 🗸

OPO001HI Hikutaia, Opotiki 654 Minor Local Authority 🗸 🗸 🗸

OPO001OP Opotiki Town 3,876 Minor Local Authority 🗸 🗸 🗸

PAE005PA Paerata East 112 Small Private Other 🞩 🞩 🗸

TEK004TE Te Kaha 150 Small Local Authority 🗸 🞩 🗸

WHA031WH Whanarua Bay 200 Small Communal 🞩 🞩 🗸

Rotorua District

Zone Code Distribution Zone Population Size Type Bacteria Protozoa Chemical

BRU005BR Brunswick 4 110 Small Private Other 🞩 🗸 🗸

HAM003HA Hamurana 900 Minor Local Authority 🗸 🗸 🗸

HAM003KA Kaharoa 800 Minor Local Authority 🗸 🗸 🗸

KAI009KA Kaingaroa 400 Small Communal 🗸 🞩 🞩

MAM001MA Mamaku Township 868 Minor Local Authority 🗸 🞩 🗸

NGO001NG Ngongotaha Township 4,826 Minor Local Authority 🗸 🗸 🗸

REP001RE Reporoa 1,060 Minor Local Authority 🗸 🗸 🗸

ROT001OK Okareka 730 Minor Local Authority 🗸 🗸 🗸

ROT001RE Rotorua Eastern Suburbs 9,600 Medium Local Authority 🗸 🗸 🗸

ROT002RO Rotoma 340 Small Local Authority 🗸 🗸 🗸

ROT003RO Rotorua City 42,500 Large Local Authority 🗸 🗸 🗸

ROT004RO Rotoiti 880 Minor Local Authority 🗸 🗸 🗸

Taupo District

Zone Code Distribution Zone Population Size Type Bacteria Protozoa Chemical

ACA001AC Acacia Bay 1,512 Minor Local Authority 🞩 🞩 🞩

ACA001MA Mapara Road Rural 869 Minor Local Authority 🗸 🞩 🗸

ATI001AV Atiamuri Village 134 Small Local Authority 🗸 🗸 🗸

BON001BO Bonshaw Park 152 Small Local Authority 🗸 🞩 🗸

CEN001RR Rakanui Road 200 Small Local Authority 🗸 🞩 🞩

HAT001HV Hatepe Village 174 Small Local Authority 🗸 🞩 🞩

KIN001KI Kinloch Town 1,604 Minor Local Authority 🗸 🞩 🞩

KIN010KI Kinloch Park 140 Small Private Other 🞩 🞩 🗸

MAN002MA Mangakino 1,312 Minor Local Authority 🗸 🗸 🗸

MOT002MO Motuoapa 739 Minor Local Authority 🗸 🞩 🞩

OMO001OM Omori / Kuratau / Pukawa 1,783 Minor Local Authority 🗸 🞩 🞩

RIV003RI River Rd Reporoa 197 Small Local Authority 🗸 🞩 🗸

TAU001TC Taupo Central & West 17,105 Large Local Authority 🗸 🗸 🗸

TAU001TS Taupo - Taupo South 6,396 Medium Local Authority 🗸 🗸 🗸

TIR002SC Serenity Cove 137 Small Local Authority 🞩 🞩 🗸

TIR002TI Tirohanga 190 Small Local Authority 🗸 🞩 🗸

TUR001TO Tokaanu 360 Small Local Authority 🗸 🗸 🗸

TUR001TU Turangi 3,578 Minor Local Authority 🗸 🗸 🗸

WHA010WH Whareroa 313 Small Local Authority 🗸 🞩 🗸

WHA011WH Whakamaru 116 Small Local Authority 🗸 🞩 🗸

Gisborne District

Zone Code Distribution Zone Population Size Type Bacteria Protozoa Chemical

ENI001MA Mangahauini 130 Small Communal 🞩 🞩 🗸

GIS001GI Gisborne City 29,600 Large Local Authority 🗸 🗸 🗸

GIS001RU Gisborne Rural 1,000 Minor Local Authority 🗸 🗸 🗸

TEK002TE Te Karaka 491 Small Local Authority 🗸 🗸 🗸

TEP001TE Te Puia Springs Hosp & Village 300 Small Health 🗸 🞩 🗸

WHA004WH Whatatutu 200 Small Local Authority 🗸 🞩 🗸

New Plymouth District

Zone Code Distribution Zone Population Size Type Bacteria Protozoa Chemical

ING001IN Inglewood 3,983 Minor Local Authority 🗸 🗸 🗸

NEW002BE Bell Block 4,820 Minor Local Authority 🗸 🗸 🗸

NEW002LE Lepperton 200 Small Local Authority 🗸 🗸 🗸

NEW002NE New Plymouth 45,420 Large Local Authority 🗸 🗸 🗸

NEW002UR Urenui/Tikorangi 1,030 Minor Local Authority 🗸 🗸 🗸

NEW002WA Waitara 7,602 Medium Local Authority 🗸 🗸 🗸

OAK001OA Oakura 1,625 Minor Local Authority 🗸 🗸 🗸

OKA002OK Okato 530 Minor Local Authority 🗸 🗸 🗸

Stratford District

Zone Code Distribution Zone Population Size Type Bacteria Protozoa Chemical

MID001MI Midhirst 200 Small Local Authority 🗸 🗸 🗸

STR001ST Stratford 6,773 Medium Local Authority 🗸 🞩 🗸

South Taranaki District

Zone Code Distribution Zone Population Size Type Bacteria Protozoa Chemical

COL005PI Pihama 350 Small Private Other 🗸 🞩 🗸

ELT001EL Eltham 1,980 Minor Local Authority 🗸 🗸 🗸

HAW003HA Hawera 8,550 Medium Local Authority 🗸 🗸 🗸

HAW003NO Normanby 850 Minor Local Authority 🗸 🗸 🗸

HAW003OH Ohawe Beach 210 Small Local Authority 🗸 🗸 🗸

INA001IN Inaha 495 Small Local Authority 🗸 🞩 🗸

OPU001OP Opunake 1,370 Minor Local Authority 🗸 🗸 🗸

PAT001PA Patea 1,150 Minor Local Authority 🗸 🗸 🗸

RAH001RA Rahotu 115 Small Local Authority 🗸 🗸 🗸

Zone Code Distribution Zone Population Size Type Bacteria Protozoa Chemical

WAI018KA Kaponga 370 Small Local Authority 🗸 🗸 🗸

WAI018MA Manaia 925 Minor Local Authority 🗸 🗸 🗸

WAI018RU Waimate West Rural 1,585 Minor Local Authority 🗸 🗸 🗸

WAV001WA Waverley 950 Minor Local Authority 🞩 🗸 🗸

Wairoa District

Zone Code Distribution Zone Population Size Type Bacteria Protozoa Chemical

RAU006RA Raupunga 250 Small Communal 🞩 🞩 🗸

TUA005TU Tuai 300 Small Local Authority 🗸 🗸 🗸

WAI006FR Frasertown 350 Small Local Authority 🗸 🗸 🗸

WAI006WA Wairoa 4,300 Minor Local Authority 🗸 🗸 🗸

Napier City

Zone Code Distribution Zone Population Size Type Bacteria Protozoa Chemical

BAY001BA Bayview Township 894 Minor Local Authority 🗸 🗸 🗸

NAP001NA Napier City 25,800 Large Local Authority 🗸 🗸 🗸

NAP001TA Taradale 24,110 Large Local Authority 🗸 🗸 🗸

Hastings District

Zone Code Distribution Zone Population Size Type Bacteria Protozoa Chemical

CLI001AL Allen Lane/Ferry Rd, Clive 198 Small Local Authority 🗸 🗸 🗸

CLI001VA Valerie St/Tuckers Lane, Clive 362 Small Local Authority 🗸 🗸 🗸

HAS001BP Bridge Pa 300 Small Local Authority 🞩 🞩 🗸

HAS001EA Hastings East 16,668 Large Local Authority 🞩 🞩 🗸

HAS001FL Flaxmere 12,171 Large Local Authority 🞩 🞩 🗸

HAS001HN Havelock North 15,370 Large Local Authority 🗸 🞩 🗸

HAS001PA Paki Paki 200 Small Local Authority 🗸 🞩 🗸

HAS001WE Hastings West & Central 20,055 Large Local Authority 🞩 🞩 🗸

HAU002HA Haumoana / Te Awanga 1,900 Minor Local Authority 🗸 🞩 🗸

OMA008OM Omahu 126 Small Local Authority 🗸 🞩 🗸

PAR025PA Parkhill Farm 288 Small Local Authority 🞩 🞩 🗸

WAI007WA Waimarama 260 Small Local Authority 🞩 🞩 🗸

WHA029WH Whakatu 337 Small Local Authority 🗸 🗸 🗸

WHI007WH Whirinaki, Hawkes Bay 750 Minor Local Authority 🗸 🞩 🗸

Central Hawkes Bay District

Zone Code Distribution Zone Population Size Type Bacteria Protozoa Chemical

FAR001FA Farm Road 120 Small Communal 🞩 🞩 🗸

POR003PT Porangahau Township 130 Small Local Authority 🗸 🞩 🗸

TAK001TA Takapau Township 570 Minor Local Authority 🞩 🗸 🗸

WAI004HI Waipukurau High Pressure Zone 3,000 Minor Local Authority 🗸 🞩 🗸

WAI004LO Waipukurau Low Pressure Zone 666 Minor Local Authority 🗸 🞩 🗸

WAI005OT Otane Township 546 Minor Local Authority 🗸 🞩 🗸

WAI005WA Waipawa Township 1,809 Minor Local Authority 🗸 🞩 🗸

Chatham Islands

Zone Code Distribution Zone Population Size Type Bacteria Protozoa Chemical

WAI158WA Waitangi, Chatham Is. 125 Small Local Authority 🗸 🗸 🗸

Wanganui District

Zone Code Distribution Zone Population Size Type Bacteria Protozoa Chemical

BRU001BR Brunswick-Westmere 450 Small Local Authority 🗸 🗸 🗸

FOR001FO Fordell Township 350 Small Local Authority 🗸 🗸 🗸

MAX001MA Maxwell 200 Small Local Authority 🗸 🗸 🗸

MOW001MO Mowhanau Beach 300 Small Local Authority 🗸 🗸 🗸

WAN001AR Aramoho 5,000 Minor Local Authority 🗸 🗸 🗸

WAN001EA Wanganui East 5,000 Minor Local Authority 🗸 🗸 🗸

WAN001WA Wanganui City 29,000 Large Local Authority 🗸 🗸 🗸

Rangitikei District

Zone Code Distribution Zone Population Size Type Bacteria Protozoa Chemical

BUL001BU Bulls Township 1,800 Minor Local Authority 🗸 🞩 🗸

HUN001HU Hunterville Township 400 Small Local Authority 🗸 🞩 🗸

MAN001MA Mangaweka Township 180 Small Local Authority 🗸 🞩 🗸

MAR001MA Marton Township 3,750 Minor Local Authority 🗸 🞩 🗸

RAT001RA Ratana Township 450 Small Local Authority 🗸 🞩 🗸

TAI001TA Taihape Township 2,200 Minor Local Authority 🗸 🞩 🗸

Manawatu District

Zone Code Distribution Zone Population Size Type Bacteria Protozoa Chemical

FEI001FE Feilding 13,000 Large Local Authority 🞩 🞩 🞩

HAL001HA Halcombe-Stanway 430 Small Local Authority 🗸 🞩 🗸

HIM001HI Himatangi Beach 438 Small Local Authority 🗸 🞩 🗸

KIW003KI Kimbolton 150 Small Communal 🞩 🞩 🗸

OHA002OH Ohakea 800 Minor Government Other 🗸 🞩 🗸

RON002RO Rongotea 300 Small Local Authority 🗸 🞩 🗸

SAN001SA Sanson 492 Small Local Authority 🗸 🞩 🗸

WAI022WA Waituna West 200 Small Local Authority 🗸 🞩 🗸

Palmerston North City

Zone Code Distribution Zone Population Size Type Bacteria Protozoa Chemical

ASH001AS Ashhurst 2,800 Minor Local Authority 🗸 🗸 🗸

BUN001BU Bunnythorpe 450 Small Local Authority 🗸 🗸 🗸

LIN001LI Linton 4,500 Minor Government Other 🗸 🞩 🗸

LON001LO Longburn 240 Small Local Authority 🗸 🗸 🗸

LON002SC Longburn Adventist College 300 Small Education Public 🞩 🞩 🗸

LON006BR Longburn, Brandlines 150 Small Private Other 🞩 🞩 🗸

MAS001MA Massey University 9,000 Medium Private Other 🗸 🗸 🗸

PAL001AO Aokautere 2,739 Minor Local Authority 🗸 🗸 🗸

PAL001FW Fitzherbert West 450 Small Local Authority 🗸 🗸 🗸

PAL001KG Kelvin Grove 5,784 Medium Local Authority 🗸 🗸 🗸

PAL001PC Palmerston North City 58,680 Large Local Authority 🗸 🗸 🗸

Tararua District

Zone Code Distribution Zone Population Size Type Bacteria Protozoa Chemical

DAN001DA Dannevirke 6,000 Medium Local Authority 🞩 🞩 🗸

EKE001EK Eketahuna 456 Small Local Authority 🗸 🞩 🗸

NOR002NO Norsewood 200 Small Local Authority 🗸 🞩 🗸

PAH001PA Pahiatua 2,700 Minor Local Authority 🗸 🞩 🗸

PLE002PL Pleckville 200 Small Communal 🞩 🞩 🗸

PON001PO Pongaroa 200 Small Communal 🗸 🞩 🗸

WOO001WO Woodville 1,500 Minor Local Authority 🞩 🞩 🗸

Horowhenua District

Zone Code Distribution Zone Population Size Type Bacteria Protozoa Chemical

FOX002FO Foxton 2,700 Minor Local Authority 🗸 🗸 🗸

FOX003FO Foxton Beach 1,900 Minor Local Authority 🗸 🗸 🗸

LEV001LE Levin 20,000 Large Local Authority 🗸 🞩 🗸

SHA001SH Shannon 1,436 Minor Local Authority 🗸 🞩 🗸

TOK002TO Tokomaru 550 Minor Local Authority 🗸 🞩 🞩

Kapiti Coast District

Zone Code Distribution Zone Population Size Type Bacteria Protozoa Chemical

HAU003HA Hautere 700 Minor Local Authority 🗸 🞩 🗸

OTA003OT Otaki 4,700 Minor Local Authority 🗸 🞩 🗸

OTA003WA Waitohu 1,000 Minor Local Authority 🗸 🞩 🗸

PAE002PA Paekakariki 1,665 Minor Local Authority 🗸 🞩 🗸

WAI010PA Paraparaumu/Raumati 25,200 Large Local Authority 🗸 🗸 🗸

WAI010WA Waikanae 10,600 Large Local Authority 🗸 🗸 🗸

Upper Hutt City

Zone Code Distribution Zone Population Size Type Bacteria Protozoa Chemical

UPP001PI Pinehaven 3,090 Minor Local Authority 🗸 🗸 🗸

UPP001UP Upper Hutt Central 31,560 Large Local Authority 🗸 🗸 🗸

The Hutt City

Zone Code Distribution Zone Population Size Type Bacteria Protozoa Chemical

LOW001EA Eastbourne 4,704 Minor Local Authority 🗸 🗸 🗸

LOW001HA Haywards 372 Small Local Authority 🗸 🗸 🗸

LOW001LO Lower Hutt 56,103 Large Local Authority 🗸 🗸 🗸

LOW001PE Petone 8,034 Medium Local Authority 🗸 🗸 🗸

LOW001ST Stokes Valley 9,198 Medium Local Authority 🗸 🗸 🗸

LOW001WA Wainuiomata 17,058 Large Local Authority 🗸 🗸 🗸

Porirua City

Zone Code Distribution Zone Population Size Type Bacteria Protozoa Chemical

JUD001JU Judgeford 200 Small Local Authority 🗸 🗸 🗸

POR001MA Mana/Plimmerton/Paremata 5,184 Medium Local Authority 🗸 🗸 🗸

POR001PH Porirua High Level 15,398 Large Local Authority 🗸 🗸 🗸

POR001PL Porirua Low Level 16,924 Large Local Authority 🗸 🗸 🗸

POR001PU Pukerua Bay 1,656 Minor Local Authority 🗸 🗸 🗸

POR001WH Whitby 7,282 Medium Local Authority 🗸 🗸 🗸

Wellington City

Zone Code Distribution Zone Population Size Type Bacteria Protozoa Chemical

WEL002BR Brooklyn 9,765 Medium Local Authority 🗸 🗸 🗸

WEL002CH Churton 4,446 Minor Local Authority 🗸 🗸 🗸

WEL002EA Eastern Wellington 16,815 Large Local Authority 🗸 🗸 🗸

WEL002JO Johnsonville 18,357 Large Local Authority 🗸 🗸 🗸

WEL002KA Karori 13,146 Large Local Authority 🗸 🗸 🗸

WEL002KE Kelburn 9,924 Medium Local Authority 🗸 🗸 🗸

WEL002ON Onslow 11,883 Large Local Authority 🗸 🗸 🗸

WEL002SO Southern Wellington 30,024 Large Local Authority 🗸 🗸 🗸

WEL002TA Tawa 12,903 Large Local Authority 🗸 🗸 🗸

WEL002WA Wadestown 6,789 Medium Local Authority 🗸 🗸 🗸

WEL002WE Wellington Central 31,074 Large Local Authority 🗸 🗸 🗸

Masterton District

Zone Code Distribution Zone Population Size Type Bacteria Protozoa Chemical

FER001FE Fernridge 320 Small Communal 🗸 🗸 🗸

MAS002MA Masterton 19,000 Large Local Authority 🗸 🗸 🗸

OPA001OP Opaki 680 Minor Communal 🗸 🞩 🗸

TIN002TI Tinui 120 Small Local Authority 🗸 🗸 🗸

WAI058WA Wainuioru Rural Water 184 Small Communal 🞩 🞩 🗸

Carterton District

Zone Code Distribution Zone Population Size Type Bacteria Protozoa Chemical

CAR001CA Carterton 4,200 Minor Local Authority 🗸 🞩 🗸

South Wairarapa District

Zone Code Distribution Zone Population Size Type Bacteria Protozoa Chemical

FEA001FE Featherston 2,580 Minor Local Authority 🞩 🞩 🞩

GRE002GR Greytown 1,952 Minor Local Authority 🞩 🞩 🗸

MAR003MA Martinborough 1,505 Minor Local Authority 🞩 🞩 🗸

Nelson City

Zone Code Distribution Zone Population Size Type Bacteria Protozoa Chemical

GLE013GL Glenwood 150 Small Communal 🞩 🗸 🗸

NEL001NL Nelson 49,740 Large Local Authority 🗸 🗸 🞩

Tasman District

Zone Code Distribution Zone Population Size Type Bacteria Protozoa Chemical

APP002AP Appleby Hills 250 Small Communal 🗸 🗸 🗸

CEN002CT Central Takaka 125 Small Communal 🞩 🞩 🗸

COL007CO Collingwood 450 Small Local Authority 🗸 🞩 🗸

DOV001DO Dovedale Rural 450 Small Local Authority 🞩 🞩 🗸

EIG001EI Eighty Eight Valley Rural 200 Small Local Authority 🗸 🞩 🗸

HOP001HO Hope/Brightwater 2,730 Minor Local Authority 🗸 🞩 🗸

KAI015KA Kaiteriteri 300 Small Local Authority 🗸 🞩 🗸

LAK013LA Lake Rotoiti 200 Small DOC 🗸 🗸 🗸

LOW006LO Lower Moutere Scheme 1 450 Small Communal 🞩 🞩 🗸

MAP003MR Mapua Rise 192 Small Local Authority 🗸 🗸 🗸

MOT001MO Motueka 1,200 Minor Local Authority 🗸 🞩 🗸

MUR001MU Murchison 490 Small Local Authority 🗸 🞩 🗸

POH001PV Pohara 150 Small Local Authority 🗸 🞩 🗸

RED001R1 Redwood Valley 1 180 Small Local Authority 🗸 🞩 🗸

RED003R2 Redwood Valley 2 370 Small Local Authority 🗸 🞩 🗸

RIC002RI Richmond 10,500 Large Local Authority 🗸 🞩 🗸

RIC002WI Waimea Industrial 1,800 Minor Local Authority 🗸 🞩 🗸

TAP003TA Tapawera 400 Small Local Authority 🗸 🞩 🗸

WAI023MR Mapua Ruby Bay 2,500 Minor Local Authority 🗸 🞩 🗸

WAK001WA Wakefield 1,500 Minor Local Authority 🗸 🞩 🗸

Marlborough District

Zone Code Distribution Zone Population Size Type Bacteria Protozoa Chemical

BLE001BL Blenheim 24,028 Large Local Authority 🗸 🗸 🗸

HAV002HA Havelock 618 Minor Local Authority 🗸 🞩 🗸

PIC001PI Picton/Waikawa 4,185 Minor Local Authority 🗸 🞩 🗸

RAR001RA Rarangi 160 Small Communal 🗸 🞩 🗸

REN001RE Renwick 1,884 Minor Local Authority 🗸 🞩 🗸

RIV002RI Riverlands Industrial Estate 740 Minor Local Authority 🗸 🞩 🗸

SED001DA Dashwood Rural 333 Small Local Authority 🗸 🞩 🗸

SED001SE Seddon,Awatere Valley 1,000 Minor Local Authority 🗸 🞩 🞩

WAI034WA Wairau Valley 160 Small Local Authority 🗸 🞩 🗸

WAR003WA Ward 250 Small Communal 🞩 🞩 🗸

WOO004WO Woodbourne RNZAF Base 1,500 Minor Government Other 🗸 🞩 🗸

Buller District

Zone Code Distribution Zone Population Size Type Bacteria Protozoa Chemical

HEC001HE Hector 300 Small Local Authority 🞩 🞩 🗸

HEC001NG Ngakawau 135 Small Local Authority 🞩 🞩 🗸

LIT003LI Little Wanganui 150 Small Local Authority 🞩 🞩 🗸

PUN001PU Punakaiki 230 Small Local Authority 🞩 🞩 🗸

REE001RE Reefton 951 Minor Local Authority 🗸 🗸 🗸

WAI001WA Waimangaroa 300 Small Local Authority 🞩 🞩 🗸

WES001CA Carters Beach 357 Small Local Authority 🗸 🗸 🗸

WES001WE Westport 4,617 Minor Local Authority 🗸 🗸 🗸

Grey District

Zone Code Distribution Zone Population Size Type Bacteria Protozoa Chemical

BLA001BL Blackball 280 Small Local Authority 🗸 🞩 🗸

GRE001CO Cobden 1,650 Minor Local Authority 🗸 🗸 🗸

GRE001DO Dobson 430 Small Local Authority 🗸 🗸 🗸

GRE001GM Greymouth 5,950 Medium Local Authority 🗸 🗸 🞩

GRE001TA Taylorville 190 Small Local Authority 🗸 🗸 🗸

RUN001RU Runanga 1,190 Minor Local Authority 🞩 🞩 🗸

Westland District

Zone Code Distribution Zone Population Size Type Bacteria Protozoa Chemical

FOX001FO Fox Glacier 252 Small Local Authority 🗸 🞩 🗸

FRA001FR Franz Josef 2,611 Minor Local Authority 🗸 🞩 🗸

HAR001HA Harihari 348 Small Local Authority 🞩 🞩 🗸

HOK001HO Hokitika 3,447 Minor Local Authority 🗸 🞩 🗸

KUM001KU Kumara 318 Small Local Authority 🞩 🞩 🗸

ROS001RO Ross Township 291 Small Local Authority 🗸 🞩 🗸

WHA002WH Whataroa 405 Small Local Authority 🗸 🞩 🗸

Kaikoura District

Zone Code Distribution Zone Population Size Type Bacteria Protozoa Chemical

FER003FE Fernleigh Rural Water Supply 150 Small Local Authority 🗸 🞩 🗸

KAI004KU Kaikoura Urban 2,500 Minor Local Authority 🗸 🞩 🗸

KAI021EA Kaikoura East Coast Rural 150 Small Local Authority 🞩 🞩 🗸

KIN003KI Kincaid Rural Water Supply 120 Small Local Authority 🗸 🞩 🗸

OAR001OA Oaro 400 Small Local Authority 🗸 🗸 🗸

OCE002OC Ocean Ridge 500 Small Local Authority 🗸 🞩 🗸

Hurunui District

Zone Code Distribution Zone Population Size Type Bacteria Protozoa Chemical

AMB001AT Amberley Town 1,578 Minor Local Authority 🞩 🗸 🗸

AMB001BE Amberley Beach 343 Small Local Authority 🞩 🗸 🗸

AMU001RO Rotherham Township and Rural 699 Minor Local Authority 🞩 🞩 🗸

ASH002AS Ashley/Sefton/Loburn 4,527 Minor Local Authority 🗸 🞩 🗸

ASH002LB Leithfield Beach 402 Small Local Authority 🗸 🗸 🗸

ASH002LE Leithfield 903 Minor Local Authority 🗸 🞩 🗸

BAL003BA Balmoral Rural 273 Small Local Authority 🗸 🞩 🗸

BRO016BR Broomfield 565 Minor Local Authority 🗸 🗸 🗸

CHE001CT Cheviot Town 795 Minor Local Authority 🗸 🞩 🗸

CUL001CU Culverden 366 Small Local Authority 🗸 🗸 🗸

HAN001HA Hanmer Town 948 Minor Local Authority 🗸 🞩 🗸

HAW001HW Hawarden/Waikari 753 Minor Local Authority 🗸 🞩 🗸

KAI039KA Kaiwara 129 Small Local Authority 🗸 🞩 🗸

LOW010LW Lower Waitohi 315 Small Local Authority 🗸 🞩 🗸

MOT016MO Motunau, Greta, Scargill 681 Minor Local Authority 🗸 🞩 🗸

PAR009PA Parnassus Rural 210 Small Local Authority 🗸 🞩 🗸

WAI026WT Waiau Township 255 Small Local Authority 🗸 🞩 🗸

WAI066UP Waitohi Upper, Waipara 513 Minor Local Authority 🞩 🞩 🗸

WAI067WA Waiau Rural 435 Small Local Authority 🗸 🞩 🗸

WAI068WA Waipara Township 285 Small Local Authority 🗸 🞩 🗸

Waimakariri District

Zone Code Distribution Zone Population Size Type Bacteria Protozoa Chemical

CUS001CU Cust 343 Small Local Authority 🗸 🞩 🗸

FER002FE Fernside 210 Small Local Authority 🗸 🞩 🗸

GAR001GA Garrymere 105 Small Local Authority 🗸 🞩 🗸

KAI003KA Kaiapoi 12,168 Large Local Authority 🗸 🗸 🗸

MAN009MA Mandeville 2,023 Minor Local Authority 🗸 🞩 🗸

OHO001OH Ohoka 218 Small Local Authority 🗸 🗸 🗸

OXF101OX Oxford Rural No1 775 Minor Local Authority 🗸 🞩 🗸

OXF102OR Oxford Rural No2 773 Minor Local Authority 🗸 🞩 🗸

OXF103OX Oxford Urban 2,173 Minor Local Authority 🗸 🗸 🗸

PEG001PE Pegasus 4,005 Minor Local Authority 🗸 🗸 🗸

POY001PO Poyntz Road 205 Small Local Authority 🗸 🞩 🗸

RAN001RA Rangiora 17,130 Large Local Authority 🗸 🗸 🗸

WAI011KI Waikuku Beach 1,150 Minor Local Authority 🗸 🞩 🗸

WES004SU Summerhill 428 Small Local Authority 🗸 🗸 🗸

WES004WE West Eyreton 168 Small Local Authority 🗸 🗸 🗸

WOO002WO Woodend Town 2,678 Minor Local Authority 🗸 🗸 🗸

Christchurch City

Zone Code Distribution Zone Population Size Type Bacteria Protozoa Chemical

AKA001AK Akaroa 1,350 Minor Local Authority 🗸 🞩 🗸

BIR001BI Birdlings Flat 150 Small Local Authority 🗸 🞩 🗸

BRO012BR Brooklands / Kainga 1,600 Minor Local Authority 🗸 🗸 🗸

CHR001CE Central Christchurch 185,000 Large Local Authority 🗸 🗸 🗸

CHR001PA Parklands 16,000 Large Local Authority 🗸 🗸 🗸

CHR001RI Riccarton 10,000 Medium Local Authority 🗸 🗸 🗸

CHR001RP Rocky Point 2,500 Minor Local Authority 🗸 🗸 🗸

CHR001WE West Christchurch 42,000 Large Local Authority 🗸 🗸 🗸

CHR002CI Christchurch Int. Airport 6,000 Medium Private Other 🞩 🗸 🗸

DUV001DU Duvauchelle 250 Small Local Authority 🗸 🞩 🗸

LIT001LI Little River 240 Small Local Authority 🗸 🞩 🗸

LYT001DI Diamond Harbour 1,200 Minor Local Authority 🗸 🗸 🗸

LYT001GO Governors Bay 750 Minor Local Authority 🗸 🗸 🗸

LYT001LY Lyttelton 2,500 Minor Local Authority 🗸 🗸 🗸

NOR012CH Northwest Christchurch 80,000 Large Local Authority 🗸 🞩 🗸

OKA010OK Okains Bay 105 Small Communal 🞩 🞩 🗸

TAK002TA Takamatua 150 Small Local Authority 🗸 🞩 🗸

WAI138WA Wainui 200 Small Local Authority 🗸 🗸 🗸

WAT006WB Waterloo Business Pk, Stage 1 400 Small Private Other 🞩 🞩 🗸

Selwyn District

Zone Code Distribution Zone Population Size Type Bacteria Protozoa Chemical

ART002AR Arthurs Pass 350 Small Local Authority 🗸 🞩 🗸

BUR001BU Burnham Camp 2,000 Minor Government Other 🞩 🗸 🗸

CAS003CA Castle Hill 299 Small Local Authority 🗸 🞩 🗸

CLA005CL Claremont 170 Small Local Authority 🗸 🗸 🗸

DAR001DA Darfield 3,520 Minor Local Authority 🗸 🗸 🗸

DUN008DU Dunsandel & Sherwood Estate 480 Small Local Authority 🗸 🞩 🗸

EDE002ED Edendale, Sandy Knolls 180 Small Local Authority 🗸 🞩 🗸

JOH001JO Johnson Rd, West Melton 160 Small Local Authority 🗸 🞩 🗸

KIR001KI Kirwee 1,207 Minor Local Authority 🗸 🗸 🗸

LAK007LA Lake Coleridge 148 Small Local Authority 🗸 🞩 🗸

LEE001LE Leeston 2,350 Minor Local Authority 🗸 🗸 🗸

LIN002LI Lincoln 5,400 Medium Local Authority 🗸 🗸 🗸

MAL001DA Dalethorpe 183 Small Local Authority 🗸 🞩 🗸

MAL001MA Malvern Hills, Hartleys Rd 1,409 Minor Local Authority 🞩 🞩 🗸

PRE001PR Prebbleton 3,906 Minor Local Authority 🗸 🗸 🗸

RAK003RA Rakaia Huts 313 Small Local Authority 🗸 🗸 🗸

ROL001RO Rolleston 15,047 Large Local Authority 🗸 🗸 🗸

SEL001AC Acheron 240 Small Local Authority 🗸 🞩 🗸

SEL001HO Hororata 920 Minor Local Authority 🞩 🞩 🗸

SHE004SH Sheffield/Waddington 585 Minor Local Authority 🞩 🞩 🗸

SOU001SO Southbridge 992 Minor Local Authority 🗸 🞩 🗸

SPR002SP Springfield 520 Minor Local Authority 🞩 🞩 🗸

SPR003SP Springston 510 Minor Local Authority 🗸 🗸 🗸

TAI009TA Tai Tapu 606 Minor Local Authority 🗸 🗸 🗸

WES010WE West Melton 1,800 Minor Local Authority 🗸 🞩 🗸

Ashburton District

Zone Code Distribution Zone Population Size Type Bacteria Protozoa Chemical

ASH003AS Ashburton 18,500 Large Local Authority 🗸 🗸 🗸

CHE002CH Chertsey 230 Small Local Authority 🗸 🗸 🗸

FAI001FA Fairton 210 Small Local Authority 🗸 🗸 🗸

HAK001HH Hakatere Upper 110 Small Local Authority 🗸 🞩 🗸

HIG002HI Highbank Society Water Supply 220 Small Communal 🞩 🞩 🗸

HIN001HI Hinds 340 Small Local Authority 🗸 🗸 🗸

LYN002LY Lyndhurst 250 Small Private Other 🞩 🗸 🗸

MAY001MA Mayfield 160 Small Local Authority 🗸 🗸 🗸

MET001ME Methven 1,700 Minor Local Authority 🗸 🞩 🗸

MET002MS Methven/Springfield 178 Small Local Authority 🗸 🞩 🗸

MTS001MS Mt Somers Township 260 Small Local Authority 🗸 🞩 🗸

RAK001RA Rakaia Township 1,100 Minor Local Authority 🗸 🗸 🗸

Timaru District

Zone Code Distribution Zone Population Size Type Bacteria Protozoa Chemical

ARO002AO Arowhenua 215 Small Private Other 🞩 🞩 🗸

DOW001ST Sutherlands/Taiko 3,500 Minor Local Authority 🗸 🞩 🗸

DOW001WR Waimate Rural 350 Small Local Authority 🞩 🞩 🗸

DOW001WT Waitohi/Totara Valley 700 Minor Local Authority 🗸 🞩 🗸

GER001GE Geraldine 2,121 Minor Local Authority 🗸 🞩 🗸

HAD001HA Hadlow 312 Small Local Authority 🗸 🗸 🗸

PAR002PA Pareora 450 Small Local Authority 🗸 🗸 🗸

PEE001PF Peel Forest 130 Small Local Authority 🗸 🞩 🗸

PLE001PP Pleasant Point 1,200 Minor Local Authority 🗸 🞩 🗸

SEA001SE Seadown 750 Minor Local Authority 🗸 🞩 🗸

STA004ST St Andrews 280 Small Local Authority 🗸 🞩 🗸

TEM001OR Orari 180 Small Local Authority 🗸 🞩 🗸

TEM001TE Temuka 3,984 Minor Local Authority 🗸 🞩 🗸

TEM001WI Winchester 260 Small Local Authority 🗸 🞩 🗸

TEM002GD Geraldine Downs 450 Small Local Authority 🗸 🞩 🗸

TEM002GF Geraldine Flat 200 Small Local Authority 🞩 🞩 🗸

TEM002TE Te Moana 1,000 Minor Local Authority 🗸 🞩 🗸

TIM001GL Gleniti 3,400 Minor Local Authority 🗸 🗸 🗸

TIM001TI Timaru 23,432 Large Local Authority 🗸 🗸 🗸

Mackenzie District

Zone Code Distribution Zone Population Size Type Bacteria Protozoa Chemical

ALB001AL Albury Rural 125 Small Communal 🞩 🞩 🗸

ALL001AL Allandale 150 Small Local Authority 🗸 🞩 🗸

FAI002FA Fairlie 850 Minor Local Authority 🞩 🞩 🗸

FAI002KI Kimbell 150 Small Local Authority 🗸 🞩 🗸

MTC001MT Mt Cook 350 Small DOC 🗸 🗸 🗸

TEK005TE Tekapo 500 Small Local Authority 🞩 🞩 🗸

TWI001TW Twizel 1,300 Minor Local Authority 🗸 🞩 🞩

Waimate District

Zone Code Distribution Zone Population Size Type Bacteria Protozoa Chemical

CAN001CM Cannington/Motukaika 120 Small Local Authority 🞩 🞩 🗸

HAK002HA Hakataramea 165 Small Communal 🞩 🞩 🗸

HOO001HW Hook/Waituna 1,350 Minor Local Authority 🞩 🞩 🗸

LOW002LO Lower Waihao 600 Minor Local Authority 🗸 🞩 🗸

OTA005OM Otaio/Makikihi 430 Small Local Authority 🞩 🗸 🗸

WAI031WA Waihaorunga 141 Small Local Authority 🗸 🞩 🗸

WAI032WA Waikakahi 360 Small Local Authority 🗸 🞩 🗸

WAI033WA Waimate 3,000 Minor Local Authority 🗸 🗸 🗸

Waitaki District

Zone Code Distribution Zone Population Size Type Bacteria Protozoa Chemical

AWA001AW Awamoko 399 Small Local Authority 🗸 🞩 🗸

HAM002HA Hampden 237 Small Local Authority 🗸 🞩 🗸

HAM002MO Moeraki 264 Small Local Authority 🗸 🞩 🗸

HER001HE Herbert 670 Minor Local Authority 🞩 🞩 🗸

KAU001KA Kauru Hill 197 Small Local Authority 🗸 🞩 🗸

KUR001KU Kurow Township 330 Small Local Authority 🗸 🗸 🗸

LOW004LO Lower Waitaki 778 Minor Local Authority 🗸 🗸 🗸

MAH001MA Maheno 152 Small Communal 🗸 🗸 🗸

OAM001AR Oamaru, Ardgowan 252 Small Local Authority 🗸 🗸 🗸

OAM001CE Oamaru, Central 4,622 Minor Local Authority 🗸 🗸 🗸

OAM001KA Oamaru, Kakanui 520 Minor Local Authority 🞩 🗸 🗸

OAM001NE Oamaru, North End 2,234 Minor Local Authority 🗸 🗸 🗸

OAM001RR Oamaru, Reservoir Road 768 Minor Local Authority 🗸 🗸 🗸

OAM001SH Oamaru, South Hill 3,933 Minor Local Authority 🗸 🗸 🗸

OAM001WE Oamaru, Weston - Enfield 2,061 Minor Local Authority 🗸 🗸 🗸

OMA001OM Omarama Town 270 Small Local Authority 🗸 🞩 🗸

OTE001OT Otematata Hydro Village 195 Small Local Authority 🞩 🞩 🗸

TOK003TL Tokarahi/Livingstone 573 Minor Local Authority 🗸 🞩 🗸

WAI215DU Waihemo, Dunback Rural 229 Small Local Authority 🗸 🗸 🗸

WAI215GO Waihemo, Goodwood Rural 270 Small Local Authority 🗸 🗸 🗸

WAI215PA Waihemo, Palmerston Town 858 Minor Local Authority 🗸 🗸 🗸

WIN004WI Windsor 137 Small Local Authority 🗸 🞩 🗸

Central Otago District

Zone Code Distribution Zone Population Size Type Bacteria Protozoa Chemical

ALE001AL Alexandra 5,000 Minor Local Authority 🗸 🞩 🗸

ALE002BE Bennys 104 Small Communal 🞩 🞩 🗸

CLY001CL Clyde Township 1,000 Minor Local Authority 🗸 🞩 🗸

CRO001BA Bannockburn 400 Small Local Authority 🗸 🞩 🗸

CRO001CR Cromwell 4,000 Minor Local Authority 🗸 🞩 🗸

EAR002EA Earnscleugh Water Scheme 120 Small Private Other 🞩 🞩 🗸

LAS003LA Last Chance 120 Small Communal 🗸 🗸 🗸

MIL006MI Millers Flat 210 Small Communal 🗸 🗸 🗸

NAS001NA Naseby 150 Small Local Authority 🗸 🞩 🗸

OMA005OM Omakau 350 Small Local Authority 🗸 🞩 🗸

PAT003PA Patearoa 260 Small Local Authority 🗸 🞩 🗸

PIS001PI Pisa Moorings 157 Small Private Other 🗸 🞩 🗸

PIS002PI Pisa Village 250 Small Local Authority 🗸 🞩 🗸

RAN002RA Ranfurly 750 Minor Local Authority 🗸 🞩 🗸

ROX001RO Roxburgh 700 Minor Local Authority 🗸 🞩 🗸

Dunedin City

Zone Code Distribution Zone Population Size Type Bacteria Protozoa Chemical

DUN001BO Booth Road, Dunedin 37,036 Large Local Authority 🗸 🗸 🗸

DUN001GI Green Island 10,199 Large Local Authority 🗸 🗸 🗸

DUN001LL Low Levels/Peninsula, Dunedin 37,726 Large Local Authority 🗸 🗸 🗸

DUN001MH Maori Hill 13,785 Large Local Authority 🗸 🗸 🗸

DUN001PC Port Chalmers 2,469 Minor Local Authority 🗸 🗸 🗸

DUN001WI Wingatui, Dunedin 1,124 Minor Local Authority 🗸 🗸 🗸

MOS001EA East Taieri 300 Small Local Authority 🗸 🗸 🗸

MOS001KI Kinmont 341 Small Local Authority 🗸 🗸 🗸

MOS001QH Quarry Hill 9,535 Medium Local Authority 🗸 🗸 🗸

OUT001OU Outram Township 750 Minor Local Authority 🗸 🗸 🗸

WAI015WK Waikouaiti/Karitane/Seacliff 1,642 Minor Local Authority 🗸 🗸 🗸

WES002WE West Taieri Scheme 450 Small Local Authority 🗸 🗸 🗸

Clutha District

Zone Code Distribution Zone Population Size Type Bacteria Protozoa Chemical

BAL001BA Balclutha 3,918 Minor Local Authority 🗸 🞩 🗸

CLY005CL Clinton Township 285 Small Local Authority 🗸 🞩 🗸

CLY005RU Clydevale-Pomahaka Rural 493 Small Local Authority 🗸 🞩 🗸

GLE001GK Glenkenich Rural 705 Minor Local Authority 🞩 🞩 🞩

KAI005KA Kaitangata Township 762 Minor Local Authority 🗸 🞩 🗸

LAW001LT Lawrence 417 Small Local Authority 🗸 🞩 🗸

MIL001MT Milton 1,929 Minor Local Authority 🗸 🞩 🞩

MIL001OC Otago Corrections Facility 600 Minor Local Authority 🗸 🞩 🗸

MOA001MF Moa Flat Rural 534 Minor Local Authority 🗸 🞩 🗸

NOR003NB North Bruce Rural 658 Minor Local Authority 🗸 🞩 🞩

NOR003WT Waihola Township 270 Small Local Authority 🞩 🞩 🗸

OWA001OW Owaka 303 Small Local Authority 🗸 🞩 🗸

RIC009KA Kaka Point Township 222 Small Local Authority 🗸 🞩 🗸

RIC009NO Richardson Rural North 312 Small Local Authority 🗸 🞩 🗸

RIC009SO Richardson Rural South 469 Small Local Authority 🗸 🞩 🗸

STI002SB South Bruce Rural 434 Small Local Authority 🗸 🞩 🗸

STI002ST Stirling Township 303 Small Local Authority 🗸 🞩 🗸

TAP001TA Tapanui 726 Minor Local Authority 🗸 🞩 🞩

TUA004TW Tuapeka West Rural 283 Small Local Authority 🗸 🞩 🗸

WAI016B1 Balmoral 1 Rural 247 Small Local Authority 🗸 🞩 🗸

WAI016B2 Balmoral 2 Rural 399 Small Local Authority 🗸 🞩 🗸

WAI016TE Tuapeka East Rural 276 Small Local Authority 🗸 🞩 🗸

Queenstown Lakes District

Zone Code Distribution Zone Population Size Type Bacteria Protozoa Chemical

ARR001AR Arrowtown 3,587 Minor Local Authority 🗸 🞩 🗸

ART001AP Arthurs Point 1,248 Minor Local Authority 🗸 🞩 🗸

CAM008CA Camphill Estate 132 Small Communal 🗸 🞩 🗸

GLE003GL Glenorchy 1,232 Minor Local Authority 🗸 🞩 🗸

HAW002HA Hawea 2,444 Minor Local Authority 🗸 🞩 🗸

JAC002JA Jacks Point 600 Minor Private Other 🗸 🗸 🗸

LAK003ES Lake Hayes Est & Shotover Ctry 799 Minor Local Authority 🗸 🗸 🗸

LAK003LH Lake Hayes 1,697 Minor Local Authority 🗸 🗸 🗸

LUG001LU Luggate 855 Minor Local Authority 🗸 🞩 🗸

QUE001KE Kelvin Heights 4,400 Minor Local Authority 🗸 🞩 🗸

QUE001QU Queenstown 15,600 Large Local Authority 🗸 🞩 🗸

WAN002AL Albert Town 506 Minor Local Authority 🗸 🞩 🗸

WAN002WA Wanaka 9,608 Medium Local Authority 🗸 🞩 🗸

WAN007WA Wanaka Airport 150 Small Local Authority 🗸 🞩 🗸

Gore District

Zone Code Distribution Zone Population Size Type Bacteria Protozoa Chemical

GOR001GO Gore 7,480 Medium Local Authority 🞩 🞩 🗸

MAT002MA Mataura 1,790 Minor Local Authority 🞩 🞩 🗸

OTA004OT Otama 300 Small Local Authority 🗸 🞩 🗸

Invercargill City

Zone Code Distribution Zone Population Size Type Bacteria Protozoa Chemical

INV001BL Bluff 2,956 Minor Local Authority 🗸 🞩 🗸

INV001IN Invercargill City 47,500 Large Local Authority 🗸 🞩 🗸

Southland District

Zone Code Distribution Zone Population Size Type Bacteria Protozoa Chemical

EDE001ED Edendale 558 Minor Local Authority 🗸 🞩 🗸

EDE001WY Wyndham 594 Minor Local Authority 🗸 🞩 🗸

LUM001BA Lumsden/Balfour Rural 608 Minor Local Authority 🗸 🞩 🗸

LUM001LU Lumsden 453 Small Local Authority 🗸 🞩 🗸

MAN006MA Manapouri 228 Small Local Authority 🗸 🞩 🗸

MIL007MI Milford Sound 350 Small Private Other 🞩 🞩 🗸

MOS002MO Mossburn 201 Small Local Authority 🗸 🞩 🗸

OHA009NI Nightcaps 306 Small Local Authority 🗸 🗸 🗸

OHA009OH Ohai 303 Small Local Authority 🗸 🗸 🗸

OTA001OT Otautau 798 Minor Local Authority 🗸 🞩 🗸

RIV001RI Riverton 1,506 Minor Local Authority 🗸 🞩 🗸

TEA002TE Te Anau 2,628 Minor Local Authority 🗸 🗸 🗸

TUA001TU Tuatapere 561 Minor Local Authority 🗸 🞩 🗸

WIN001WI Winton 2,436 Minor Local Authority 🗸 🞩 🗸

Appendix 2. Microbiological achievement

**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 |
| 🗸 | 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

Zone Code Distribution Zone Population Size Type Bacteria Protozoa

BRE001BR Bream Bay 5,900 Medium Local Authority Trans 🞩

HUK001HU Hukerenui School 150 Small Education Achieved 🗸

Public

MAU002MA Maungakaramea 200 Small Local Authority Achieved 🗸

WHA007HE Whangarei Heads 7,200 Medium Local Authority Achieved 🗸

WHA007HI Hikurangi 1,330 Minor Local Authority Achieved 🗸

WHA007WH Whangarei 48,000 Large Local Authority Achieved 🗸

Far North District

Zone Code Distribution Zone Population Size Type Bacteria Protozoa

CAR011CA Carrington Estate 120 Small Private Other Achieved 🗸

DOU004EC East Coast Bays 2,000 Minor Private Other Achieved 🞩

KAI006KA Kaikohe 4,000 Minor Local Authority Achieved 🗸

KAI006NG Ngawha Springs 200 Small Local Authority Achieved 🗸

KAI008KA Kaitaia 5,400 Medium Local Authority Achieved (Monit: Gap) 🗸

KAW002KA Kawakawa 1,500 Minor Local Authority Achieved 🗸

KAW002MO Moerewa / Otiria 2,000 Minor Local Authority Achieved 🗸

KER001KE Kerikeri 6,200 Medium Local Authority Achieved 🗸

KER001WA Waipapa 500 Small Local Authority Achieved 🗸

NGA046NG Ngati Rehia Wai Trust 120 Small Marae Not monit 🞩

OKA003OK Okaihau 800 Minor Local Authority Achieved 🗸

OMA002OM Omapere 900 Minor Local Authority Achieved 🗸

PAI001HA Haruru Falls 1,000 Minor Local Authority Achieved 🗸

PAI001OP Opua 1,000 Minor Local Authority Achieved 🗸

PAI001PA Paihia 2,000 Minor Local Authority Achieved 🗸

PAK003PA Pakanae 160 Small Communal Act Trans 🗸

RAW001RA Rawene 600 Minor Local Authority Achieved 🗸

RUS004RU Russell Township-Commercial 200 Small Private Other Achieved 🗸

WAI045WA Waipapa, Lock 150 Small Private Other Achieved 🗸

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 District

Zone Code Distribution Zone Population Size Type Bacteria Protozoa

DAR002BB Baylys Beach 228 Small Local Authority Achieved 🗸

DAR002DT Dargaville Town 4,455 Minor Local Authority Achieved 🗸

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 🗸

Greater Auckland (Watercare)

Zone Code Distribution Zone Population Size Type Bacteria Protozoa

AUC003AA Auckland Airport 4,557 Minor Local Authority Achieved 🗸

AUC003AU Auckland 261,638 Large Local Authority Achieved 🗸

AUC003AZ Anzac 3,445 Minor Local Authority Achieved 🗸

AUC003BU Buckland 609 Minor Local Authority Achieved 🗸

AUC003CB Central Business Dist.Auckland 14,590 Large Local Authority Achieved 🗸

AUC003CL Clarks/Waiau Beach 1,332 Minor Local Authority Achieved 🗸

AUC003EB East Tamaki/Botany 36,914 Large Local Authority Achieved 🗸

AUC003GL Glenbrook Beach 393 Small Local Authority Achieved 🗸

AUC003GN Glen Eden/New Lynn 56,785 Large Local Authority Achieved 🗸

AUC003HE Henderson 125,916 Large Local Authority Achieved 🗸

AUC003HH High Head 4,000 Minor Local Authority Achieved 🗸

AUC003HI Hillsborough 62,355 Large Local Authority Achieved 🗸

AUC003HO Howick/Pakuranga 94,803 Large Local Authority Achieved 🗸

AUC003HT Hilltop 947 Minor Local Authority Achieved 🗸

AUC003HW HBC/Waiwera 28,898 Large Local Authority Achieved 🗸

AUC003KI Kitchener 14,866 Large Local Authority Achieved 🗸

AUC003LA Laingholm 2,457 Minor Local Authority Achieved 🗸

AUC003MA Maungawhau 45,267 Large Local Authority Achieved 🗸

AUC003MG Mangere 71,629 Large Local Authority Achieved 🗸

AUC003MO Montana 4,615 Minor Local Authority Achieved 🗸

AUC003MT Mt Hobson 30,526 Large Local Authority Achieved 🗸

AUC003MW Manurewa 72,305 Large Local Authority Achieved 🗸

AUC003ON Onehunga 27,101 Large Local Authority Achieved 🗸

AUC003OP Otara/Papatoetoe/Manukau Cent. 58,441 Large Local Authority Achieved 🗸

AUC003OR Oratia 1,596 Minor Local Authority Achieved 🗸

AUC003OT Otahuhu 11,083 Large Local Authority Achieved 🗸

AUC003PT Patumahoe 606 Minor Local Authority Achieved 🗸

AUC003SO North Shore Sth. 151,400 Large Local Authority Achieved 🗸

AUC003SW Swanson 4,540 Minor Local Authority Achieved 🗸

AUC003TH Te Henga 1,085 Minor Local Authority Achieved 🗸

AUC003WE North Shore West 71,300 Large Local Authority Achieved 🗸

AUC003WH Whenuapai 5,460 Medium Local Authority Achieved 🗸

BOM003BO Bombay 609 Minor Local Authority Achieved 🗸

BUR004BU Burnside Road 352 Small Local Authority Achieved 🗸

HEL005HP Helensville/Parakai 4,579 Minor Local Authority Achieved 🗸

HUI006HV Huia Village 597 Minor Local Authority Achieved 🗸

MUR011MU Muriwai 563 Minor Local Authority Achieved 🗸

PAP001PC Papakura City 32,421 Large Local Authority Achieved 🗸

PAP001RH Red Hill 2,475 Minor Local Authority Achieved 🗸

PAP001TA Takanini 13,617 Large Local Authority Achieved 🗸

SNE002SN Snells/Algies 4,664 Minor Local Authority Achieved 🗸

WAI214WA Waiuku 8,697 Medium Local Authority Achieved 🗸

WAR006WA Warkworth 4,111 Minor Local Authority Achieved 🗸

WEL004WE Wellsford/Te Hana 2,114 Minor Local Authority Achieved 🗸

Greater Auckland

Zone Code Distribution Zone Population Size Type Bacteria Protozoa

BOM002BO Bombay Motorway Services 200 Small Private Other Achieved 🗸

BRO015BP Broadway Park, Newmarket 1,000 Minor Private Other Monit: Gap 🗸

HAR005HA Haranui Whanau 200 Small Marae Trans 🗸

KEN005KP Kensington Park 450 Small Private Other Achieved 🗸

KIN002KH Kingseat Community 400 Small Private Other Achieved 🗸

MAT034MA Matiatia Wharf 800 Minor Local Authority Achieved 🞩

PIN003PI Pine Harbour 150 Small Private Other Achieved 🗸

WAI197GL Waiuku, Glenbrook Beach Road 200 Small Private Other Achieved 🗸

Thames Coromandel District

Zone Code Distribution Zone Population Size Type Bacteria Protozoa

COR001CO Coromandel 1,657 Minor Local Authority Review 🞩

HAH001HA Hahei, Harsant Subdivision 457 Small Local Authority Achieved 🞩

HAH003PA 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 Type 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 Type Bacteria Protozoa

HUN002HU Huntly 7,210 Medium Local Authority Achieved 🗸

HUN002RO Rotongaro 130 Small Local Authority Achieved 🗸

NGA002HO Horotiu 459 Small Local Authority Achieved 🗸

NGA002HP Hopuhopu 200 Small Local Authority Achieved 🗸

NGA002NG Ngaruawahia 5,691 Medium Local Authority Achieved 🗸

NGA002TA Taupiri 529 Minor Local Authority Achieved 🗸

NOR013NO North Western Dist, Waikato DC 115 Small Local Authority Achieved 🗸

POK001PO Pokeno 519 Minor Local Authority Achieved 🗸

RAG001RA Raglan 3,187 Minor Local Authority Achieved 🗸

SOU009SO Southern Districts, Waikato DC 5,466 Medium Local Authority Achieved 🗸

TEK001TR Te Kauwhata / Rangiriri 1,410 Minor Local Authority Achieved 🗸

TEK001WH Whangamarino Rural / Meremere 739 Minor Local Authority Achieved 🗸

TUA002TN Tuakau North 823 Minor Local Authority Achieved 🗸

TUA002TS Tuakau South 3,119 Minor Local Authority Achieved 🗸

Matamata Piako District

Zone Code Distribution Zone Population Size Type Bacteria Protozoa

MAT004MA Matamata Township 6,309 Medium Local Authority Trans 🞩

MAT004WA Waharoa 634 Minor Local Authority Achieved 🞩

MOR001MO Morrinsville Township 6,603 Medium Local Authority Achieved 🞩

TAH001TA Tahuna Township 120 Small Local Authority Trans 🞩

TAT005FA Tatua Dairy Factory Endpoint 200 Small Private Other Monit: DoW, Gap 🗸

TEA003TE Te Aroha 3,768 Minor Local Authority Achieved 🗸

WAI049WA Waitoa Village & Factory 500 Small Private Other Achieved 🞩

Hamilton City

Zone Code Distribution Zone Population Size Type Bacteria Protozoa

HAM001HA Hamilton City 130,813 Large Local Authority Achieved 🗸

HAM001RU Ruakura/Ryburn Road 151 Small Local Authority Achieved 🗸

HAM001TE Temple View, Hamilton 1,413 Minor Local Authority Achieved 🗸

Waipa District

Zone Code Distribution Zone Population Size Type Bacteria Protozoa

CAM001CA Cambridge 13,368 Large Local Authority Achieved 🞩

CAM001KA Karapiro Village 132 Small Local Authority Trans 🗸

HAM006IT East Side Terminal 400 Small Private Other Achieved 🗸

HAM006WE West Side Aviation Area 350 Small Private Other Achieved 🞩

KIH001KI Kihikihi 2,000 Minor Local Authority Achieved (Monit: Gap) 🗸

PUK001OH Ohaupo 468 Small Local Authority Achieved 🗸

PUK001PU Pukerimu Rural 3,278 Minor Local Authority Achieved 🗸

TEA001PI Pirongia 1,500 Minor Local Authority Achieved 🗸

TEA001TE Te Awamutu Township 9,165 Medium Local Authority Achieved 🗸

TOK006TH Tokanui 250 Small Communal Achieved 🗸

Otorohanga District

Zone Code Distribution Zone Population Size Type 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 🞩

OTO001OT Otorohanga 2,875 Minor Local Authority Achieved 🞩

OTO001WA Waipa 175 Small Local Authority Achieved 🞩

TIH001TI Tihiroa 400 Small Local Authority Achieved 🞩

South Waikato District

Zone Code Distribution Zone Population Size Type Bacteria Protozoa

ARA003AR Arapuni 300 Small Local Authority Achieved 🞩

PUT001PU Putaruru 4,116 Minor Local Authority Achieved 🞩

TIR001TI Tirau 700 Minor Local Authority Achieved 🗸

TOK001TO Tokoroa 13,300 Large Local Authority Achieved 🞩

Waitomo District

Zone Code Distribution Zone Population Size Type 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 🞩

TEK003TE Te Kuiti 4,612 Minor Local Authority Achieved 🞩

WAI012WC Waitomo Caves 500 Small Private Other Act Trans Monit: DoW 🞩

Ruapehu District

Zone Code Distribution Zone Population Size Type Bacteria Protozoa

NAT001NA National Park 240 Small Local Authority Achieved 🞩

OHA001OH Ohakune Township 1,500 Minor Local Authority Achieved 🞩

OHU001OH 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 Type Bacteria Protozoa

ATH003AT Athenree 5,125 Medium Local Authority Achieved 🗸

KAT003KA Katikati 5,700 Medium Local Authority Achieved 🗸

OMO003OM Omokoroa Minden 6,450 Medium Local Authority Achieved 🗸

PON003PO Pongakawa 4,600 Minor Local Authority Achieved 🗸

TEP002TP Te Puke 8,260 Medium Local Authority Achieved 🗸

TEP029TB Te Puke Bush 200 Small Local Authority Achieved 🗸

Tauranga City

Zone Code Distribution Zone Population Size Type Bacteria Protozoa

TAU004MP Mt Maunganui - Papamoa 52,000 Large Local Authority Achieved 🗸

TAU004TB Tauranga - Bethlehem 51,783 Large Local Authority Achieved 🗸

Whakatane District

Zone Code Distribution Zone Population Size Type 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 Type 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 Type 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 🗸

OPO001OP Opotiki Town 3,876 Minor Local Authority Achieved 🗸

PAE005PA Paerata East 112 Small Private Other Not monit 🞩

TEK004TE Te Kaha 150 Small Local Authority Achieved 🞩

WHA031WH Whanarua Bay 200 Small Communal Not monit 🞩

Rotorua District

Zone Code Distribution Zone Population Size Type Bacteria Protozoa

BRU005BR Brunswick 4 110 Small Private Other Monit: Sam, DoW, Gap 🗸

HAM003HA Hamurana 900 Minor Local Authority Achieved 🗸

HAM003KA Kaharoa 800 Minor Local Authority Achieved 🗸

KAI009KA Kaingaroa 400 Small Communal Achieved 🞩

MAM001MA Mamaku Township 868 Minor Local Authority Achieved 🞩

NGO001NG Ngongotaha Township 4,826 Minor Local Authority Achieved 🗸

REP001RE Reporoa 1,060 Minor Local Authority Achieved 🗸

ROT001OK Okareka 730 Minor Local Authority Achieved 🗸

ROT001RE Rotorua Eastern Suburbs 9,600 Medium Local Authority Achieved 🗸

ROT002RO Rotoma 340 Small Local Authority Achieved 🗸

ROT003RO Rotorua City 42,500 Large Local Authority Achieved 🗸

ROT004RO Rotoiti 880 Minor Local Authority Achieved 🗸

Taupo District

Zone Code Distribution Zone Population Size Type 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 🗸

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 🗸

MOT002MO Motuoapa 739 Minor Local Authority Achieved 🞩

OMO001OM 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 🗸

TAU001TS Taupo - Taupo South 6,396 Medium Local Authority Achieved 🗸

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 🗸

TUR001TU Turangi 3,578 Minor Local Authority Achieved 🗸

WHA010WH Whareroa 313 Small Local Authority Achieved 🞩

WHA011WH Whakamaru 116 Small Local Authority Achieved 🞩

Gisborne District

Zone Code Distribution Zone Population Size Type Bacteria Protozoa

ENI001MA Mangahauini 130 Small Communal Act Trans Monit: Sam,   
 DoW, Gap 🞩

GIS001GI Gisborne City 29,600 Large Local Authority Achieved 🗸

GIS001RU Gisborne Rural 1,000 Minor Local Authority Achieved 🗸

TEK002TE Te Karaka 491 Small Local Authority Achieved 🗸

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 Type Bacteria Protozoa

ING001IN Inglewood 3,983 Minor Local Authority Achieved 🗸

NEW002BE Bell Block 4,820 Minor Local Authority Achieved 🗸

NEW002LE Lepperton 200 Small Local Authority Achieved 🗸

NEW002NE New Plymouth 45,420 Large Local Authority Achieved 🗸

NEW002UR Urenui/Tikorangi 1,030 Minor Local Authority Achieved 🗸

Zone Code Distribution Zone Population Size Type Bacteria Protozoa

NEW002WA Waitara 7,602 Medium Local Authority Achieved 🗸

OAK001OA Oakura 1,625 Minor Local Authority Achieved 🗸

OKA002OK Okato 530 Minor Local Authority Achieved 🗸

Stratford District

Zone Code Distribution Zone Population Size Type Bacteria Protozoa

MID001MI Midhirst 200 Small Local Authority Achieved 🗸

STR001ST Stratford 6,773 Medium Local Authority Achieved 🞩

South Taranaki District

Zone Code Distribution Zone Population Size Type Bacteria Protozoa

COL005PI Pihama 350 Small Private Other Achieved 🞩

ELT001EL Eltham 1,980 Minor Local Authority Achieved 🗸

HAW003HA Hawera 8,550 Medium Local Authority Achieved 🗸

HAW003NO Normanby 850 Minor Local Authority Achieved 🗸

HAW003OH Ohawe Beach 210 Small Local Authority Achieved 🗸

INA001IN Inaha 495 Small Local Authority Achieved 🞩

OPU001OP Opunake 1,370 Minor Local Authority Achieved 🗸

PAT001PA Patea 1,150 Minor Local Authority Achieved 🗸

RAH001RA Rahotu 115 Small Local Authority Achieved 🗸

WAI018KA Kaponga 370 Small Local Authority Achieved 🗸

WAI018MA Manaia 925 Minor Local Authority Achieved 🗸

WAI018RU Waimate West Rural 1,585 Minor Local Authority Achieved 🗸

WAV001WA Waverley 950 Minor Local Authority Trans 🗸

Wairoa District

Zone Code Distribution Zone Population Size Type Bacteria Protozoa

RAU006RA Raupunga 250 Small Communal Not monit 🞩

TUA005TU Tuai 300 Small Local Authority Achieved 🗸

WAI006FR Frasertown 350 Small Local Authority Achieved 🗸

WAI006WA Wairoa 4,300 Minor Local Authority Achieved 🗸

Napier City

Zone Code Distribution Zone Population Size Type Bacteria Protozoa

BAY001BA Bayview Township 894 Minor Local Authority Achieved 🗸

NAP001NA Napier City 25,800 Large Local Authority Achieved 🗸

NAP001TA Taradale 24,110 Large Local Authority Achieved 🗸

Hastings District

Zone Code Distribution Zone Population Size Type Bacteria Protozoa

CLI001AL Allen Lane/Ferry Rd, Clive 198 Small Local Authority Achieved 🗸

CLI001VA Valerie St/Tuckers Lane, Clive 362 Small Local Authority Achieved 🗸

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 🞩

OMA008OM 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 🗸

WHI007WH Whirinaki, Hawkes Bay 750 Minor Local Authority Achieved 🞩

Central Hawkes Bay District

Zone Code Distribution Zone Population Size Type 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 🗸

WAI004HI 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 Islands

Zone Code Distribution Zone Population Size Type Bacteria Protozoa

WAI158WA Waitangi, Chatham Is. 125 Small Local Authority Achieved 🗸

Wanganui District

Zone Code Distribution Zone Population Size Type Bacteria Protozoa

BRU001BR Brunswick-Westmere 450 Small Local Authority Achieved 🗸

FOR001FO Fordell Township 350 Small Local Authority Achieved 🗸

MAX001MA Maxwell 200 Small Local Authority Achieved 🗸

MOW001MO Mowhanau Beach 300 Small Local Authority Achieved 🗸

WAN001AR Aramoho 5,000 Minor Local Authority Achieved 🗸

WAN001EA Wanganui East 5,000 Minor Local Authority Achieved 🗸

WAN001WA Wanganui City 29,000 Large Local Authority Achieved (Monit: DoW) 🗸

Rangitikei District

Zone Code Distribution Zone Population Size Type 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 District

Zone Code Distribution Zone Population Size Type Bacteria Protozoa

FEI001FE Feilding 13,000 Large Local Authority FAC-Trans 🞩

HAL001HA Halcombe-Stanway 430 Small Local Authority Achieved 🞩

HIM001HI Himatangi Beach 438 Small Local Authority Achieved 🞩

KIW003KI Kimbolton 150 Small Communal Monit: Sam, DoW, Gap 🞩

OHA002OH Ohakea 800 Minor Govt Other Achieved 🞩

RON002RO Rongotea 300 Small Local Authority Achieved 🞩

SAN001SA Sanson 492 Small Local Authority Achieved 🞩

WAI022WA Waituna West 200 Small Local Authority Achieved 🞩

Palmerston North City

Zone Code Distribution Zone Population Size Type Bacteria Protozoa

ASH001AS Ashhurst 2,800 Minor Local Authority Achieved 🗸

BUN001BU Bunnythorpe 450 Small Local Authority Achieved 🗸

LIN001LI Linton 4,500 Minor Govt Other Achieved 🞩

LON001LO Longburn 240 Small Local Authority Achieved 🗸

LON002SC Longburn Adventist College 300 Small Educ. Public Monit: Sam, Gap 🞩

LON006BR Longburn, Brandlines 150 Small Private Other Not monit 🞩

MAS001MA Massey University 9,000 Medium Private Other Achieved 🗸

PAL001AO Aokautere 2,739 Minor Local Authority Achieved 🗸

PAL001FW Fitzherbert West 450 Small Local Authority Achieved 🗸

Zone Code Distribution Zone Population Size Type Bacteria Protozoa

PAL001KG Kelvin Grove 5,784 Medium Local Authority Achieved 🗸

PAL001PC Palmerston North City 58,680 Large Local Authority Achieved 🗸

Tararua District

Zone Code Distribution Zone Population Size Type Bacteria Protozoa

DAN001DA Dannevirke 6,000 Medium Local Authority Act 🞩

EKE001EK Eketahuna 456 Small Local Authority Achieved 🞩

NOR002NO 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 🞩

Horowhenua District

Zone Code Distribution Zone Population Size Type Bacteria Protozoa

FOX002FO Foxton 2,700 Minor Local Authority Achieved 🗸

FOX003FO Foxton Beach 1,900 Minor Local Authority Achieved 🗸

LEV001LE Levin 20,000 Large Local Authority Achieved 🞩

SHA001SH Shannon 1,436 Minor Local Authority Achieved 🞩

TOK002TO Tokomaru 550 Minor Local Authority Achieved 🞩

Kapiti Coast District

Zone Code Distribution Zone Population Size Type Bacteria Protozoa

HAU003HA Hautere 700 Minor Local Authority Achieved 🞩

OTA003OT Otaki 4,700 Minor Local Authority Achieved 🞩

OTA003WA Waitohu 1,000 Minor Local Authority Achieved 🞩

PAE002PA Paekakariki 1,665 Minor Local Authority Achieved 🞩

WAI010PA Paraparaumu/Raumati 25,200 Large Local Authority Achieved 🗸

WAI010WA Waikanae 10,600 Large Local Authority Achieved 🗸

Upper Hutt City

Zone Code Distribution Zone Population Size Type Bacteria Protozoa

UPP001PI Pinehaven 3,090 Minor Local Authority Achieved 🗸

UPP001UP Upper Hutt Central 31,560 Large Local Authority Achieved 🗸

The Hutt City

Zone Code Distribution Zone Population Size Type Bacteria Protozoa

LOW001EA Eastbourne 4,704 Minor Local Authority Achieved 🗸

LOW001HA Haywards 372 Small Local Authority Achieved 🗸

LOW001LO Lower Hutt 56,103 Large Local Authority Achieved 🗸

LOW001PE Petone 8,034 Medium Local Authority Achieved 🗸

LOW001ST Stokes Valley 9,198 Medium Local Authority Achieved 🗸

LOW001WA Wainuiomata 17,058 Large Local Authority Achieved 🗸

Porirua City

Zone Code Distribution Zone Population Size Type Bacteria Protozoa

JUD001JU Judgeford 200 Small Local Authority Achieved 🗸

POR001MA Mana/Plimmerton/Paremata 5,184 Medium Local Authority Achieved 🗸

POR001PH Porirua High Level 15,398 Large Local Authority Achieved 🗸

POR001PL Porirua Low Level 16,924 Large Local Authority Achieved 🗸

POR001PU Pukerua Bay 1,656 Minor Local Authority Achieved 🗸

POR001WH Whitby 7,282 Medium Local Authority Achieved 🗸

Wellington City

Zone Code Distribution Zone Population Size Type Bacteria Protozoa

WEL002BR Brooklyn 9,765 Medium Local Authority Achieved 🗸

WEL002CH Churton 4,446 Minor Local Authority Achieved 🗸

WEL002EA Eastern Wellington 16,815 Large Local Authority Achieved 🗸

WEL002JO Johnsonville 18,357 Large Local Authority Achieved 🗸

WEL002KA Karori 13,146 Large Local Authority Achieved 🗸

WEL002KE Kelburn 9,924 Medium Local Authority Achieved 🗸

WEL002ON Onslow 11,883 Large Local Authority Achieved 🗸

WEL002SO Southern Wellington 30,024 Large Local Authority Achieved 🗸

WEL002TA Tawa 12,903 Large Local Authority Achieved 🗸

WEL002WA Wadestown 6,789 Medium Local Authority Achieved 🗸

WEL002WE Wellington Central 31,074 Large Local Authority Achieved 🗸

Masterton District

Zone Code Distribution Zone Population Size Type Bacteria Protozoa

FER001FE Fernridge 320 Small Communal Achieved 🗸

MAS002MA Masterton 19,000 Large Local Authority Achieved 🗸

OPA001OP Opaki 680 Minor Communal Achieved 🞩

TIN002TI Tinui 120 Small Local Authority Achieved 🗸

WAI058WA Wainuioru Rural Water 184 Small Communal Not monit 🞩

Carterton District

Zone Code Distribution Zone Population Size Type Bacteria Protozoa

CAR001CA Carterton 4,200 Minor Local Authority Achieved 🞩

South Wairarapa District

Zone Code Distribution Zone Population Size Type Bacteria Protozoa

FEA001FE Featherston 2,580 Minor Local Authority Monit: Sam, DoW, Gap 🞩

GRE002GR Greytown 1,952 Minor Local Authority Monit: Sam, DoW, Gap 🞩

MAR003MA Martinborough 1,505 Minor Local Authority Monit: Sam, DoW, Gap 🞩

Nelson City

Zone Code Distribution Zone Population Size Type Bacteria Protozoa

GLE013GL Glenwood 150 Small Communal Act Trans 🗸

NEL001NL Nelson 49,740 Large Local Authority Achieved 🗸

Tasman District

Zone Code Distribution Zone Population Size Type Bacteria Protozoa

APP002AP Appleby Hills 250 Small Communal Achieved 🗸

CEN002CT Central Takaka 125 Small Communal Not monit 🞩

COL007CO Collingwood 450 Small Local Authority Achieved 🞩

DOV001DO Dovedale Rural 450 Small Local Authority Trans 🞩

EIG001EI Eighty Eight Valley Rural 200 Small Local Authority Achieved 🞩

HOP001HO Hope/Brightwater 2,730 Minor Local Authority Achieved 🞩

KAI015KA Kaiteriteri 300 Small Local Authority Achieved 🞩

LAK013LA Lake Rotoiti 200 Small DOC Achieved 🗸

LOW006LO Lower Moutere Scheme 1 450 Small Communal Not monit 🞩

MAP003MR Mapua Rise 192 Small Local Authority Achieved 🗸

MOT001MO Motueka 1,200 Minor Local Authority Achieved 🞩

MUR001MU Murchison 490 Small Local Authority Achieved 🞩

POH001PV Pohara 150 Small Local Authority Achieved 🞩

RED001R1 Redwood Valley 1 180 Small Local Authority Achieved 🞩

RED003R2 Redwood Valley 2 370 Small Local Authority Achieved 🞩

Zone Code Distribution Zone Population Size Type 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 Type Bacteria Protozoa

BLE001BL Blenheim 24,028 Large Local Authority Achieved (Monit: Gap) 🗸

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 Type 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 🗸

WAI001WA Waimangaroa 300 Small Local Authority Not monit 🞩

WES001CA Carters Beach 357 Small Local Authority Achieved 🗸

WES001WE Westport 4,617 Minor Local Authority Achieved 🗸

Grey District

Zone Code Distribution Zone Population Size Type Bacteria Protozoa

BLA001BL Blackball 280 Small Local Authority Achieved 🞩

GRE001CO Cobden 1,650 Minor Local Authority Achieved 🗸

GRE001DO Dobson 430 Small Local Authority Achieved 🗸

GRE001GM Greymouth 5,950 Medium Local Authority Achieved (Monit: Gap) 🗸

GRE001TA Taylorville 190 Small Local Authority Achieved 🗸

RUN001RU Runanga 1,190 Minor Local Authority Trans 🞩

Westland District

Zone Code Distribution Zone Population Size Type Bacteria Protozoa

FOX001FO Fox Glacier 252 Small Local Authority Achieved 🞩

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 Distribution Zone Population Size Type Bacteria Protozoa

FER003FE Fernleigh Rural Water Supply 150 Small Local Authority Achieved 🞩

KAI004KU Kaikoura Urban 2,500 Minor Local Authority Achieved 🞩

KAI021EA Kaikoura East Coast Rural 150 Small Local Authority Monit: Sam, DoW, Gap 🞩

KIN003KI Kincaid Rural Water Supply 120 Small Local Authority Achieved 🞩

OAR001OA Oaro 400 Small Local Authority Achieved 🗸

OCE002OC Ocean Ridge 500 Small Local Authority Achieved 🞩

Hurunui District

Zone Code Distribution Zone Population Size Type Bacteria Protozoa

AMB001AT Amberley Town 1,578 Minor Local Authority Trans 🗸

AMB001BE Amberley Beach 343 Small Local Authority Act Trans 🗸

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 🗸

ASH002LE Leithfield 903 Minor Local Authority Achieved 🞩

BAL003BA Balmoral Rural 273 Small Local Authority Achieved 🞩

BRO016BR Broomfield 565 Minor Local Authority Achieved 🗸

CHE001CT Cheviot Town 795 Minor Local Authority Achieved 🞩

CUL001CU Culverden 366 Small Local Authority Achieved 🗸

HAN001HA Hanmer Town 948 Minor Local Authority Achieved 🞩

HAW001HW Hawarden/Waikari 753 Minor Local Authority Achieved 🞩

KAI039KA 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 Type Bacteria Protozoa

CUS001CU Cust 343 Small Local Authority Achieved 🞩

FER002FE Fernside 210 Small Local Authority Achieved 🞩

GAR001GA Garrymere 105 Small Local Authority Achieved 🞩

KAI003KA Kaiapoi 12,168 Large Local Authority Achieved 🗸

MAN009MA Mandeville 2,023 Minor Local Authority Achieved 🞩

OHO001OH Ohoka 218 Small Local Authority Achieved 🗸

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 🗸

PEG001PE Pegasus 4,005 Minor Local Authority Achieved 🗸

POY001PO Poyntz Road 205 Small Local Authority Achieved 🞩

RAN001RA Rangiora 17,130 Large Local Authority Achieved 🗸

WAI011KI Waikuku Beach 1,150 Minor Local Authority Achieved 🞩

WES004SU Summerhill 428 Small Local Authority Achieved 🗸

WES004WE West Eyreton 168 Small Local Authority Achieved 🗸

WOO002WO Woodend Town 2,678 Minor Local Authority Achieved 🗸

Christchurch City

Zone Code Distribution Zone Population Size Type 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 🗸

CHR001CE Central Christchurch 185,000 Large Local Authority Achieved 🗸

CHR001PA Parklands 16,000 Large Local Authority Achieved (Monit: Gap) 🗸

CHR001RI Riccarton 10,000 Medium Local Authority Achieved 🗸

CHR001RP Rocky Point 2,500 Minor Local Authority Achieved 🗸

CHR001WE West Christchurch 42,000 Large Local Authority Achieved 🗸

CHR002CI Christchurch Int. Airport 6,000 Medium Private Other Monit: Sam 🗸

DUV001DU Duvauchelle 250 Small Local Authority Achieved 🞩

LIT001LI Little River 240 Small Local Authority Achieved 🞩

Zone Code Distribution Zone Population Size Type Bacteria Protozoa

LYT001DI Diamond Harbour 1,200 Minor Local Authority Achieved 🗸

LYT001GO Governors Bay 750 Minor Local Authority Achieved 🗸

LYT001LY Lyttelton 2,500 Minor Local Authority Achieved 🗸

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 🗸

WAT006WB Waterloo Business Pk, Stage 1 400 Small Private Other Not monit 🞩

Selwyn District

Zone Code Distribution Zone Population Size Type Bacteria Protozoa

ART002AR Arthurs Pass 350 Small Local Authority Achieved 🞩

BUR001BU Burnham Camp 2,000 Minor Govt Other Trans 🗸

CAS003CA Castle Hill 299 Small Local Authority Achieved 🞩

CLA005CL Claremont 170 Small Local Authority Achieved (Monit: DoW) 🗸

DAR001DA Darfield 3,520 Minor Local Authority Achieved 🗸

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 🗸

LAK007LA Lake Coleridge 148 Small Local Authority Achieved (Monit: DoW) 🞩

LEE001LE Leeston 2,350 Minor Local Authority Achieved 🗸

LIN002LI Lincoln 5,400 Medium Local Authority Achieved 🗸

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 🗸

RAK003RA Rakaia Huts 313 Small Local Authority Achieved 🗸

ROL001RO Rolleston 15,047 Large Local Authority Achieved 🗸

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 🗸

TAI009TA Tai Tapu 606 Minor Local Authority Achieved 🗸

WES010WE West Melton 1,800 Minor Local Authority Achieved 🞩

Ashburton District

Zone Code Distribution Zone Population Size Type Bacteria Protozoa

ASH003AS Ashburton 18,500 Large Local Authority Achieved 🗸

CHE002CH Chertsey 230 Small Local Authority Achieved 🗸

FAI001FA Fairton 210 Small Local Authority Achieved 🗸

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 🗸

LYN002LY Lyndhurst 250 Small Private Other Not monit 🗸

MAY001MA Mayfield 160 Small Local Authority Achieved 🗸

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 🗸

Timaru District

Zone Code Distribution Zone Population Size Type Bacteria Protozoa

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 🗸

PAR002PA Pareora 450 Small Local Authority Achieved 🗸

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 🗸

TIM001TI Timaru 23,432 Large Local Authority Achieved (Monit: DoW, Gap) 🗸

Mackenzie District

Zone Code Distribution Zone Population Size Type 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 🗸

TEK005TE Tekapo 500 Small Local Authority Act Trans 🞩

TWI001TW Twizel 1,300 Minor Local Authority Achieved 🞩

Waimate District

Zone Code Distribution Zone Population Size Type 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 🗸

WAI031WA Waihaorunga 141 Small Local Authority Achieved 🞩

WAI032WA Waikakahi 360 Small Local Authority Achieved 🞩

WAI033WA Waimate 3,000 Minor Local Authority Achieved 🗸

Waitaki District

Zone Code Distribution Zone Population Size Type 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 🗸

LOW004LO Lower Waitaki 778 Minor Local Authority Achieved 🗸

MAH001MA Maheno 152 Small Communal Achieved 🗸

OAM001AR Oamaru, Ardgowan 252 Small Local Authority Achieved 🗸

OAM001CE Oamaru, Central 4,622 Minor Local Authority Achieved 🗸

OAM001KA Oamaru, Kakanui 520 Minor Local Authority Monit: DoW, Gap 🗸

Zone Code Distribution Zone Population Size Type Bacteria Protozoa

OAM001NE Oamaru, North End 2,234 Minor Local Authority Achieved 🗸

OAM001RR Oamaru, Reservoir Road 768 Minor Local Authority Achieved (Monit: Gap) 🗸

OAM001SH Oamaru, South Hill 3,933 Minor Local Authority Achieved (Monit: Gap) 🗸

OAM001WE Oamaru, Weston - Enfield 2,061 Minor Local Authority Achieved (Monit: Gap) 🗸

OMA001OM 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 🗸

WAI215GO Waihemo, Goodwood Rural 270 Small Local Authority Achieved (Monit: Gap) 🗸

WAI215PA Waihemo, Palmerston Town 858 Minor Local Authority Achieved (Monit: Gap) 🗸

WIN004WI Windsor 137 Small Local Authority Achieved 🞩

Central Otago District

Zone Code Distribution Zone Population Size Type 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 🗸

MIL006MI Millers Flat 210 Small Communal Achieved 🗸

NAS001NA Naseby 150 Small Local Authority Achieved 🞩

OMA005OM 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 Type Bacteria Protozoa

DUN001BO Booth Road, Dunedin 37,036 Large Local Authority Achieved 🗸

DUN001GI Green Island 10,199 Large Local Authority Achieved 🗸

DUN001LL Low Levels/Peninsula, Dunedin 37,726 Large Local Authority Achieved 🗸

DUN001MH Maori Hill 13,785 Large Local Authority Achieved 🗸

DUN001PC Port Chalmers 2,469 Minor Local Authority Achieved 🗸

DUN001WI Wingatui, Dunedin 1,124 Minor Local Authority Achieved 🗸

MOS001EA East Taieri 300 Small Local Authority Achieved 🗸

MOS001KI Kinmont 341 Small Local Authority Achieved 🗸

MOS001QH Quarry Hill 9,535 Medium Local Authority Achieved 🗸

OUT001OU Outram Township 750 Minor Local Authority Achieved 🗸

WAI015WK Waikouaiti/Karitane/Seacliff 1,642 Minor Local Authority Achieved 🗸

WES002WE West Taieri Scheme 450 Small Local Authority Achieved 🗸

Clutha District

Zone Code Distribution Zone Population Size Type 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) 🞩

MIL001OC 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) 🞩

Zone Code Distribution Zone Population Size Type 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 Type 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 🗸

LAK003ES Lake Hayes Est & Shotover Ctry 799 Minor Local Authority Achieved 🗸

LAK003LH Lake Hayes 1,697 Minor Local Authority Achieved 🗸

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 Type 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 Type 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 Type 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 🞩

MOS002MO Mossburn 201 Small Local Authority Achieved 🞩

OHA009NI Nightcaps 306 Small Local Authority Achieved 🗸

OHA009OH Ohai 303 Small Local Authority Achieved 🗸

OTA001OT Otautau 798 Minor Local Authority Achieved 🞩

RIV001RI Riverton 1,506 Minor Local Authority Achieved 🞩

TEA002TE Te Anau 2,628 Minor Local Authority Achieved 🗸

TUA001TU Tuatapere 561 Minor Local Authority Achieved 🞩

WIN001WI Winton 2,436 Minor Local Authority Achieved 🞩

Appendix 3. Chemical achievement

**KEY**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Size** | **Population** | **Column** | **Meaning** | **Other Chemical** | **Meaning** |
| Small | 101 to 500 | Chemical | Chemical achievement against Standards | B | 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 | ClO3 | 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 | THM | Trihalomethanes | Ni | Nickel |
| X | Supply assumed plumbosolvent, but ratepayers not notified |  |  | NOx | Nitrate and nitrite |
| **Symbol** | **Meaning** |  |  | Sb | Antimony |
| . | Priority 2 determinand not assigned |  |  |  |  |
| 🗸 | Zone or contributing plants achieved for allocated determinand |  |  |  |  |
| 🞩 | Did not achieve |  |  |  |  |
| 🞩T | Did not achieve, and has transgressions |  |  |  |  |

Whangarei District

Zone Code Distribution Zone Population Size Type Chemical As F HAA NO3 Pb TCAA THM Other Chemical Plumbosolvency

BRE001BR Bream Bay 5,900 Medium Local Authority 🗸 . . 🗸 . . . 🗸 CHBCl2🗸 Notified

HUK001HU Hukerenui School 150 Small Educ. Public 🗸 . . . . . . . . Exempt

MAU002MA Maungakaramea 200 Small Local Authority 🗸 . . . . . . . . Notified

WHA007HE Whangarei Heads 7,200 Medium Local Authority 🗸 . . . . . . . . Notified

WHA007HI Hikurangi 1,330 Minor Local Authority 🗸 . . . . . . . . Notified

WHA007WH Whangarei 48,000 Large Local Authority 🗸 . . . . . . 🗸 . Notified

Far North District

Zone Code Distribution Zone Population Size Type Chemical As F HAA NO3 Pb TCAA THM Other Chemical Plumbosolvency

CAR011CA Carrington Estate 120 Small Private Other 🗸 . . . . . . . . Notified

DOU004EC East Coast Bays 2,000 Minor Private Other 🗸 . . . . . . . . Notified

KAI006KA Kaikohe 4,000 Minor Local Authority 🗸 . . . . . . 🗸 . Notified

KAI006NG Ngawha Springs 200 Small Local Authority 🗸 . . . . . . . . Notified

KAI008KA Kaitaia 5,400 Medium Local Authority 🗸 . . . . . . 🗸 . Notified

KAW002KA Kawakawa 1,500 Minor Local Authority 🗸 . . . . . . . . Notified

KAW002MO Moerewa / Otiria 2,000 Minor Local Authority 🗸 . . . . . . . . Notified

KER001KE Kerikeri 6,200 Medium Local Authority 🗸 . . . . . . . . Notified

KER001WA Waipapa 500 Small Local Authority 🗸 . . . . . . 🗸 . Notified

NGA046NG Ngati Rehia Wai Trust 120 Small Marae 🗸 . . . . . . . . Exempt

OKA003OK Okaihau 800 Minor Local Authority 🗸 . . . . . . . . Notified

OMA002OM Omapere 900 Minor Local Authority 🞩 . . . . . . 🞩T . Notified

PAI001HA Haruru Falls 1,000 Minor Local Authority 🗸 . . . . . . 🗸 . Notified

PAI001OP Opua 1,000 Minor Local Authority 🗸 . . . . . . 🗸 . Notified

PAI001PA Paihia 2,000 Minor Local Authority 🗸 . . . . . . 🗸 CHBCl2🗸 Notified

PAK003PA Pakanae 160 Small Communal 🗸 . . . . . . . . Notified

RAW001RA Rawene 600 Minor Local Authority 🗸 . . . . . . . . Notified

RUS004RU Russell Township-Commercial 200 Small Private Other 🗸 . . . . . . . . Notified

WAI045WA Waipapa, Lock 150 Small Private Other 🗸 . . . . . . . . Exempt

WAI226WA Waima Hapu Community 200 Small Private Other 🗸 . . . . . . . . Exempt

WHI012WH Whirinaki Water Board 400 Small Private Other 🗸 . . . . . . . . Exempt

Kaipara District

Zone Code Distribution Zone Population Size Type Chemical As F HAA NO3 Pb TCAA THM Other Chemical Plumbosolvency

DAR002BB Baylys Beach 228 Small Local Authority 🗸 . . . . . . . . Notified

DAR002DT Dargaville Town 4,455 Minor Local Authority 🗸 . . . . . . . . Notified

KAI007KD Kaihu-Dargaville 324 Small Local Authority 🗸 . . . . . . . . Notified

MAN003MA Mangawhai Heads 200 Small Local Authority 🗸 . . . . . . . . Notified

MAU001MA Maungaturoto 900 Minor Local Authority 🗸 . . . . . . . . Notified

RUA001RU Ruawai 426 Small Local Authority 🗸 . . . . . . . . Notified

Greater Auckland (Watercare)

Zone Code Distribution Zone Population Size Type Chemical As F HAA NO3 Pb TCAA THM Other Chemical Plumbosolvency

AUC003AA Auckland Airport 4,557 Minor Local Authority 🗸 . 🗸 . . . . . . Not plumbo

AUC003AU Auckland 261,638 Large Local Authority 🗸 . 🗸 . . . . . . Notified

AUC003AZ Anzac 3,445 Minor Local Authority 🗸 . 🗸 . . . . . . Notified

AUC003BU Buckland 609 Minor Local Authority 🗸 . 🗸 . . . . . . Notified

AUC003CB Central Business Dist.Auckland 14,590 Large Local Authority 🗸 . 🗸 . . . . . . Notified

AUC003CL Clarks/Waiau Beach 1,332 Minor Local Authority 🗸 . 🗸 . . . . . . Notified

AUC003EB East Tamaki/Botany 36,914 Large Local Authority 🗸 . 🗸 . . . . . . Not plumbo

AUC003GL Glenbrook Beach 393 Small Local Authority 🗸 . 🗸 . . . . . . Notified

AUC003GN Glen Eden/New Lynn 56,785 Large Local Authority 🗸 . 🗸 . . . . . . Notified

AUC003HE Henderson 125,916 Large Local Authority 🗸 . 🗸 . . . . . . Notified

AUC003HH High Head 4,000 Minor Local Authority 🗸 . 🗸 . . . . . . Not plumbo

AUC003HI Hillsborough 62,355 Large Local Authority 🗸 . 🗸 . . . . . . Notified

AUC003HO Howick/Pakuranga 94,803 Large Local Authority 🗸 . 🗸 . . . . . . Not plumbo

AUC003HT Hilltop 947 Minor Local Authority 🗸 . 🗸 . . . . . . Notified

AUC003HW HBC/Waiwera 28,898 Large Local Authority 🗸 . 🗸 . . . . . . Notified

AUC003KI Kitchener 14,866 Large Local Authority 🗸 . 🗸 . . . . . . Notified

AUC003LA Laingholm 2,457 Minor Local Authority 🗸 . 🗸 . . . . . . Notified

AUC003MA Maungawhau 45,267 Large Local Authority 🗸 . 🗸 . . . . . . Notified

AUC003MG Mangere 71,629 Large Local Authority 🗸 . 🗸 . . . . . . Not plumbo

AUC003MO Montana 4,615 Minor Local Authority 🗸 . 🗸 . . . . . . Notified

AUC003MT Mt Hobson 30,526 Large Local Authority 🗸 . 🗸 . . . . . . Notified

AUC003MW Manurewa 72,305 Large Local Authority 🗸 . 🗸 . . . . . . Not plumbo

AUC003ON Onehunga 27,101 Large Local Authority 🗸 . . . . . . . . Notified

AUC003OP Otara/Papatoetoe/Manukau Cent. 58,441 Large Local Authority 🗸 . 🗸 . . . . . . Not plumbo

AUC003OR Oratia 1,596 Minor Local Authority 🗸 . 🗸 . . . . 🗸 . Notified

AUC003OT Otahuhu 11,083 Large Local Authority 🗸 . 🗸 . . . . . . Notified

AUC003PT Patumahoe 606 Minor Local Authority 🗸 . 🗸 . . . . . . Notified

AUC003SO North Shore Sth. 151,400 Large Local Authority 🗸 . 🗸 . . . . . . Notified

AUC003SW Swanson 4,540 Minor Local Authority 🗸 . 🗸 . . . . . . Notified

AUC003TH Te Henga 1,085 Minor Local Authority 🗸 . 🗸 . . . . 🗸 . Notified

AUC003WE North Shore West 71,300 Large Local Authority 🗸 . 🗸 . . . . . . Notified

AUC003WH Whenuapai 5,460 Medium Local Authority 🗸 . 🗸 . . . . . . Notified

BOM003BO Bombay 609 Minor Local Authority 🗸 . . . 🗸 . . . . Notified

BUR004BU Burnside Road 352 Small Local Authority 🗸 . 🗸 . . . . . . Notified

HEL005HP Helensville/Parakai 4,579 Minor Local Authority 🞩 . . . . . . 🞩T . Notified

HUI006HV Huia Village 597 Minor Local Authority 🗸 . . . . . . . . Notified

MUR011MU Muriwai 563 Minor Local Authority 🗸 . . . . . . . . Notified

Zone Code Distribution Zone Population Size Type Chemical As F HAA NO3 Pb TCAA THM Other Chemical Plumbosolvency

PAP001PC Papakura City 32,421 Large Local Authority 🗸 . 🗸 . . . . . . Notified

PAP001RH Red Hill 2,475 Minor Local Authority 🗸 . 🗸 . . . . . . Notified

PAP001TA Takanini 13,617 Large Local Authority 🗸 . 🗸 . . . . . . Notified

SNE002SN Snells/Algies 4,664 Minor Local Authority 🗸 . . . . . . . . Notified

WAI214WA Waiuku 8,697 Medium Local Authority 🗸 🗸 . . . . . . . Notified

WAR006WA Warkworth 4,111 Minor Local Authority 🗸 . . . . . . 🗸 . Notified

WEL004WE Wellsford/Te Hana 2,114 Minor Local Authority 🗸 . . . . . . 🗸 . Notified

Greater Auckland

Zone Code Distribution Zone Population Size Type Chemical As F HAA NO3 Pb TCAA THM Other Chemical Plumbosolvency

BOM002BO Bombay Motorway Services 200 Small Private Other 🗸 . . . . . . . . Exempt

BRO015BP Broadway Park, Newmarket 1,000 Minor Private Other 🗸 . 🗸 . . . . . . X

HAR005HA Haranui Whanau 200 Small Marae 🗸 . . . . . . . . Notified

KEN005KP Kensington Park 450 Small Private Other 🗸 . . . . . . . . Exempt

KIN002KH Kingseat Community 400 Small Private Other 🗸 . . . . . . . . Notified

MAT034MA Matiatia Wharf 800 Minor Local Authority 🗸 . . . . . . . . X

PIN003PI Pine Harbour 150 Small Private Other 🗸 . . . . . . . . Exempt

WAI197GL Waiuku, Glenbrook Beach Road 200 Small Private Other 🗸 . . . . . . . . Notified

Thames Coromandel District

Zone Code Distribution Zone Population Size Type Chemical As F HAA NO3 Pb TCAA THM Other Chemical Plumbosolvency

COR001CO Coromandel 1,657 Minor Local Authority 🗸 . . . . . . . . Notified

HAH001HA Hahei, Harsant Subdivision 457 Small Local Authority 🗸 . . . . . . . . Notified

HAH003PA Hahei, Pa Road 200 Small Private Other 🗸 . . . . . . . . Notified

MAT009MA Matatoki 150 Small Local Authority 🗸 . . . . . . . . Notified

MAT010MA Matarangi 279 Small Local Authority 🗸 . . . . . . . . Notified

ONE002ON Onemana 170 Small Local Authority 🗸 . . . . . . . . Notified

PAU001PA Pauanui 747 Minor Local Authority 🗸 . . . . . . . . Notified

PUR003PU Puriri 150 Small Local Authority 🗸 . . . . . . . . Notified

TAI002TA Tairua 1,335 Minor Local Authority 🗸 . . 🗸 . . . 🗸 . Notified

TEP007AP Te Puru - Aputa Ave 200 Small Local Authority 🗸 . . . . . . . . Notified

THA001TK Thames - Kopu 7,657 Medium Local Authority 🞩 . 🞩 . . . . . . Notified

WHA003WH Whangamata 3,665 Minor Local Authority 🗸 . . . . . . . . Notified

WHI001WH Whitianga 4,115 Minor Local Authority 🗸 . . . . . . . . Notified

Hauraki District

Zone Code Distribution Zone Population Size Type Chemical As F HAA NO3 Pb TCAA THM Other Chemical Plumbosolvency

KAI013KA Kaimanawa 204 Small Local Authority 🗸 . . . . . . . . Not plumbo

KAR001KA Karangahake 147 Small Local Authority 🞩 🞩T . . . . . . . Notified

KER005KE Kerepehi 1,371 Minor Local Authority 🗸 . . . . . . . . Notified

KER005TU Turua 1,181 Minor Local Authority 🗸 . . . . . . . . Notified

MAC003MA Mackaytown 174 Small Local Authority 🗸 . . . . . . . . Notified

PAE001OH Ohinemuri 702 Minor Local Authority 🗸 . . . . . . . . Notified

PAE001PA Paeroa 3,864 Minor Local Authority 🗸 . . . . . . . . Notified

WAI003WA Waihi 4,623 Minor Local Authority 🗸 . . . . . . . . Notified

WAI043WA Waikino 304 Small Local Authority 🗸 . . . . . . . . Notified

WAI201WA Waitakaruru 2,076 Minor Local Authority 🗸 . . . . . . . . Notified

Waikato District

Zone Code Distribution Zone Population Size Type Chemical As F HAA NO3 Pb TCAA THM Other Chemical Plumbosolvency

HUN002HU Huntly 7,210 Medium Local Authority 🗸 . 🗸 . . . . . . Notified

HUN002RO Rotongaro 130 Small Local Authority 🗸 . 🗸 . . . . . . Notified

NGA002HO Horotiu 459 Small Local Authority 🗸 . 🗸 . . . . . . Notified

NGA002HP Hopuhopu 200 Small Local Authority 🗸 . 🗸 . . . . . . Notified

NGA002NG Ngaruawahia 5,691 Medium Local Authority 🗸 . 🗸 . . . . . . Notified

NGA002TA Taupiri 529 Minor Local Authority 🗸 . 🗸 . . . . . . Notified

NOR013NO North Western Dist, Waikato DC 115 Small Local Authority 🗸 . 🗸 . . . . . . Notified

POK001PO Pokeno 519 Minor Local Authority 🗸 . 🗸 . . . . . . Notified

RAG001RA Raglan 3,187 Minor Local Authority 🗸 . . . . . . . . Notified

SOU009SO Southern Districts, Waikato DC 5,466 Medium Local Authority 🗸 . 🗸 . . . . . . Notified

TEK001TR Te Kauwhata / Rangiriri 1,410 Minor Local Authority 🗸 . 🗸 . . . . . . Notified

TEK001WH Whangamarino Rural / Meremere 739 Minor Local Authority 🗸 . 🗸 . . . . . . Notified

TUA002TN Tuakau North 823 Minor Local Authority 🗸 . 🗸 . . . . . . Notified

TUA002TS Tuakau South 3,119 Minor Local Authority 🗸 . 🗸 . . . . . . Notified

Matamata Piako District

Zone Code Distribution Zone Population Size Type Chemical As F HAA NO3 Pb TCAA THM Other Chemical Plumbosolvency

MAT004MA Matamata Township 6,309 Medium Local Authority 🗸 . . . . . . . . Notified

MAT004WA Waharoa 634 Minor Local Authority 🗸 . . . . . . . . Notified

MOR001MO Morrinsville Township 6,603 Medium Local Authority 🗸 . . . . . . . . Notified

TAH001TA Tahuna Township 120 Small Local Authority 🗸 . . . . . . . . Notified

TAT005FA Tatua Dairy Factory Endpoint 200 Small Private Other 🗸 . . . . . . . . Notified

TEA003TE Te Aroha 3,768 Minor Local Authority 🗸 . . . . . . . . Notified

WAI049WA Waitoa Village & Factory 500 Small Private Other 🞩 . . 🞩T . . . . . Notified

Hamilton City

Zone Code Distribution Zone Population Size Type Chemical As F HAA NO3 Pb TCAA THM Other Chemical Plumbosolvency

HAM001HA Hamilton City 130,813 Large Local Authority 🗸 . 🗸 . . . . . . Notified

HAM001RU Ruakura/Ryburn Road 151 Small Local Authority 🗸 . 🗸 . . . . . . Notified

HAM001TE Temple View, Hamilton 1,413 Minor Local Authority 🗸 . 🗸 . . . . . . Notified

Waipa District

Zone Code Distribution Zone Population Size Type Chemical As F HAA NO3 Pb TCAA THM Other Chemical Plumbosolvency

CAM001CA Cambridge 13,368 Large Local Authority 🗸 . . . . . . . . Notified

CAM001KA Karapiro Village 132 Small Local Authority 🗸 . . . . . . . . Notified

HAM006IT East Side Terminal 400 Small Private Other 🗸 . . . . . . . . Notified

HAM006WE West Side Aviation Area 350 Small Private Other 🗸 . . . . . . . . Notified

KIH001KI Kihikihi 2,000 Minor Local Authority 🗸 . . . . . . . . Notified

PUK001OH Ohaupo 468 Small Local Authority 🗸 . . . . . . . . Notified

PUK001PU Pukerimu Rural 3,278 Minor Local Authority 🗸 . . . . . . . . Notified

TEA001PI Pirongia 1,500 Minor Local Authority 🗸 . . . . . . . . Notified

TEA001TE Te Awamutu Township 9,165 Medium Local Authority 🗸 . . . . . . . . Notified

TOK006TH Tokanui 250 Small Communal 🗸 . . . . . . . . Notified

Otorohanga District

Zone Code Distribution Zone Population Size Type Chemical As F HAA NO3 Pb TCAA THM Other Chemical Plumbosolvency

ARO001AO Aotearoa Road, Arohena 120 Small Local Authority 🗸 . . . . . . . . Notified

ARO001MA Mangare Road, Arohena 120 Small Local Authority 🗸 . . . . . . . . Notified

KAW001KA Kawhia Township 390 Small Local Authority 🗸 . . . . . . . . Notified

OTO001OT Otorohanga 2,875 Minor Local Authority 🗸 . . . . . . . . Notified

OTO001WA Waipa 175 Small Local Authority 🗸 . . . . . . . . Notified

TIH001TI Tihiroa 400 Small Local Authority 🗸 . . . . . . . . Notified

South Waikato District

Zone Code Distribution Zone Population Size Type Chemical As F HAA NO3 Pb TCAA THM Other Chemical Plumbosolvency

ARA003AR Arapuni 300 Small Local Authority 🗸 . . . . . . . . Notified

PUT001PU Putaruru 4,116 Minor Local Authority 🗸 . . . . . . . . Notified

TIR001TI Tirau 700 Minor Local Authority 🗸 . . . . . . . . Notified

TOK001TO Tokoroa 13,300 Large Local Authority 🗸 . 🗸 . . . . . . Notified

Waitomo District

Zone Code Distribution Zone Population Size Type Chemical As F HAA NO3 Pb TCAA THM Other Chemical Plumbosolvency

BEN002BE Benneydale 280 Small Local Authority 🗸 . . . . . . . . Notified

MOK002MO Mokau, Waitomo 200 Small Local Authority 🗸 . . . . . . . . Notified

PIO001PI Piopio 500 Small Local Authority 🗸 . . . . . . . . Notified

TAH002TA Taharoa Village 300 Small Private Other 🗸 . . . . . . . . Notified

TEK003TE Te Kuiti 4,612 Minor Local Authority 🗸 . . . . . . . . Notified

WAI012WC Waitomo Caves 500 Small Private Other 🗸 . . . . . . . . Notified

Ruapehu District

Zone Code Distribution Zone Population Size Type Chemical As F HAA NO3 Pb TCAA THM Other Chemical Plumbosolvency

NAT001NA National Park 240 Small Local Authority 🗸 . . . . . . . . Notified

OHA001OH Ohakune Township 1,500 Minor Local Authority 🗸 . . . . . . . . Notified

OHU001OH Ohura 160 Small Local Authority 🗸 . . . . . . . . Notified

OWH001OW Owhango 200 Small Local Authority 🗸 . . . . . . . . Notified

PIR001PI Piriaka 120 Small Communal 🗸 . . . . . . . . Notified

RAE001RA Raetihi Township 749 Minor Local Authority 🞩 . . 🞩T . . 🗸 . DCA🞩 Notified

TAU003TA Taumarunui 4,870 Minor Local Authority 🗸 . . . . 🗸 . . . Notified

WAI002WA Waiouru Township 2,800 Minor Government Other 🞩 . . 🞩 . . 🞩 . DCA🞩 Notified

WHA015WV Whakapapa Village 200 Small DOC 🗸 . . . . . . . . Notified

Western Bay of Plenty District

Zone Code Distribution Zone Population Size Type Chemical As F HAA NO3 Pb TCAA THM Other Chemical Plumbosolvency

ATH003AT Athenree 5,125 Medium Local Authority 🗸 . . . . . . . . Notified

KAT003KA Katikati 5,700 Medium Local Authority 🗸 . . . . . . . . Notified

OMO003OM Omokoroa Minden 6,450 Medium Local Authority 🗸 . . . . . . . . Notified

PON003PO Pongakawa 4,600 Minor Local Authority 🗸 . . . . . . . . Notified

TEP002TP Te Puke 8,260 Medium Local Authority 🗸 . . . . . . . . Notified

TEP029TB Te Puke Bush 200 Small Local Authority 🗸 . . . . . . . . Notified

Tauranga City

Zone Code Distribution Zone Population Size Type Chemical As F HAA NO3 Pb TCAA THM Other Chemical Plumbosolvency

TAU004MP Mt Maunganui - Papamoa 52,000 Large Local Authority 🗸 . . . . . . . . Notified

TAU004TB Tauranga - Bethlehem 51,783 Large Local Authority 🗸 . . . . . . . . Notified

Whakatane District

Zone Code Distribution Zone Population Size Type Chemical As F HAA NO3 Pb TCAA THM Other Chemical Plumbosolvency

MAT005MA Matata 690 Minor Local Authority 🗸 . . . . . . . . Notified

MUR002MU Murupara 2,060 Minor Local Authority 🗸 . . . . . . . . Notified

RAN007ED Edgecumbe 1,430 Minor Local Authority 🞩 🞩T . . . . . . . Notified

RAN007PR Rangitaiki Plains Rural 2,486 Minor Local Authority 🞩 🞩T . . . . . . . Notified

RAN007TE Te Teko 346 Small Local Authority 🞩 🞩T . . . . . . . Notified

RUA003RU Ruatoki 560 Minor Local Authority 🗸 . . . . . . . . Notified

RUA008RU Ruatahuna Village 300 Small Private Other 🗸 . . . . . . . . Exempt

TAN001TA Taneatua 790 Minor Local Authority 🗸 . . . . . . . . Notified

TEM004TE Te Mahoe 120 Small Local Authority 🗸 . . . . . . . . Notified

WAI017WA Waimana 160 Small Local Authority 🗸 . . . . . . . . Notified

WHA005OH Ohope 6,000 Medium Local Authority 🗸 . 🗸 . . . . . . Notified

WHA005WH Whakatane 15,020 Large Local Authority 🗸 . 🗸 . . . . . . Notified

Kawerau District

Zone Code Distribution Zone Population Size Type Chemical As F HAA NO3 Pb TCAA THM Other Chemical Plumbosolvency

KAW003KA Kawerau 6,921 Medium Local Authority 🗸 . . . . 🗸 . . . Notified

KAW003UV Upper Valley Road 800 Minor Local Authority 🗸 . . . . 🗸 . . . Notified

Opotiki District

Zone Code Distribution Zone Population Size Type Chemical As F HAA NO3 Pb TCAA THM Other Chemical Plumbosolvency

KAI054KA Kaiaio Hapu 160 Small Marae 🗸 . . . . . . . . Exempt

KUT003KU Kutarere 300 Small Communal 🗸 . . . . . . . . Exempt

OMA016OM Omaio 180 Small Private Other 🗸 . . . . . . . . Exempt

OPO001HI Hikutaia, Opotiki 654 Minor Local Authority 🗸 . . . . . . . . Notified

OPO001OP Opotiki Town 3,876 Minor Local Authority 🗸 . . . . 🗸 . . . Notified

PAE005PA Paerata East 112 Small Private Other 🗸 . . . . . . . . Exempt

TEK004TE Te Kaha 150 Small Local Authority 🗸 . . . . . . . . Notified

WHA031WH Whanarua Bay 200 Small Communal 🗸 . . . . . . . . Exempt

Rotorua District

Zone Code Distribution Zone Population Size Type Chemical As F HAA NO3 Pb TCAA THM Other Chemical Plumbosolvency

BRU005BR Brunswick 4 110 Small Private Other 🗸 . . . . . . . . Notified

HAM003HA Hamurana 900 Minor Local Authority 🗸 . . . . . . . . Notified

HAM003KA Kaharoa 800 Minor Local Authority 🗸 . . . . . . . . Notified

KAI009KA Kaingaroa 400 Small Communal 🞩 . . . . 🞩 . . Cu🞩 Notified

MAM001MA Mamaku Township 868 Minor Local Authority 🗸 . . . . . . . . Notified

NGO001NG Ngongotaha Township 4,826 Minor Local Authority 🗸 . . . . . . . . Notified

REP001RE Reporoa 1,060 Minor Local Authority 🗸 . . . . . . . . Notified

ROT001OK Okareka 730 Minor Local Authority 🗸 . . . . . . . . Notified

ROT001RE Rotorua Eastern Suburbs 9,600 Medium Local Authority 🗸 . . . . . . . . Notified

ROT002RO Rotoma 340 Small Local Authority 🗸 . . . . . . . . Notified

ROT003RO Rotorua City 42,500 Large Local Authority 🗸 . . . . . . . . Notified

ROT004RO Rotoiti 880 Minor Local Authority 🗸 . . . . . . . . Notified

Taupo District

Zone Code Distribution Zone Population Size Type Chemical As F HAA NO3 Pb TCAA THM Other Chemical Plumbosolvency

ACA001AC Acacia Bay 1,512 Minor Local Authority 🞩 🞩T . . . . . . . Notified

ACA001MA Mapara Road Rural 869 Minor Local Authority 🗸 . . . . . . . . Notified

ATI001AV Atiamuri Village 134 Small Local Authority 🗸 . . . . . . . . Notified

BON001BO Bonshaw Park 152 Small Local Authority 🗸 . . . . . . . . Notified

CEN001RR Rakanui Road 200 Small Local Authority 🞩 🞩T . . . . . . . Notified

HAT001HV Hatepe Village 174 Small Local Authority 🞩 🞩T . . . . . . . Notified

KIN001KI Kinloch Town 1,604 Minor Local Authority 🞩 🞩T . . . . . . . Notified

KIN010KI Kinloch Park 140 Small Private Other 🗸 . . . . . . . . Exempt

MAN002MA Mangakino 1,312 Minor Local Authority 🗸 . . . . . . . . Notified

MOT002MO Motuoapa 739 Minor Local Authority 🞩 🞩T . . . . . . . Notified

OMO001OM Omori / Kuratau / Pukawa 1,783 Minor Local Authority 🞩 🞩T . . . . . . . Notified

RIV003RI River Rd Reporoa 197 Small Local Authority 🗸 . . . . . . . . Notified

TAU001TC Taupo Central & West 17,105 Large Local Authority 🗸 🗸 🗸 . . . . . . Notified

TAU001TS Taupo - Taupo South 6,396 Medium Local Authority 🗸 . 🗸 . . . . . . Notified

TIR002SC Serenity Cove 137 Small Local Authority 🗸 . . . . . . . . Exempt

TIR002TI Tirohanga 190 Small Local Authority 🗸 . . . . . . . . Notified

TUR001TO Tokaanu 360 Small Local Authority 🗸 . 🗸 . . . . . . Notified

TUR001TU Turangi 3,578 Minor Local Authority 🗸 . 🗸 . . . . . . Notified

WHA010WH Whareroa 313 Small Local Authority 🗸 . . . . . . . . Notified

WHA011WH Whakamaru 116 Small Local Authority 🗸 . . . . . . . . Notified

Gisborne District

Zone Code Distribution Zone Population Size Type Chemical As F HAA NO3 Pb TCAA THM Other Chemical Plumbosolvency

ENI001MA Mangahauini 130 Small Communal 🗸 . . . . . . . . Exempt

GIS001GI Gisborne City 29,600 Large Local Authority 🗸 . 🗸 . . . . . . Notified

GIS001RU Gisborne Rural 1,000 Minor Local Authority 🗸 . 🗸 . . . . . . Notified

TEK002TE Te Karaka 491 Small Local Authority 🗸 . . . . . . . . Notified

TEP001TE Te Puia Springs Hosp & Village 300 Small Health 🗸 . . . . . . . . Exempt

WHA004WH Whatatutu 200 Small Local Authority 🗸 . . . . . . . . Notified

New Plymouth District

Zone Code Distribution Zone Population Size Type Chemical As F HAA NO3 Pb TCAA THM Other Chemical Plumbosolvency

ING001IN Inglewood 3,983 Minor Local Authority 🗸 . . . . . . . . Notified

NEW002BE Bell Block 4,820 Minor Local Authority 🗸 . . . . . . . . Notified

NEW002LE Lepperton 200 Small Local Authority 🗸 . . . . . . . . Notified

NEW002NE New Plymouth 45,420 Large Local Authority 🗸 . . . . . . . . Notified

NEW002UR Urenui/Tikorangi 1,030 Minor Local Authority 🗸 . . . . . . . . Notified

NEW002WA Waitara 7,602 Medium Local Authority 🗸 . . . . . . . . Notified

OAK001OA Oakura 1,625 Minor Local Authority 🗸 . . . . . . . . Notified

OKA002OK Okato 530 Minor Local Authority 🗸 . . . . . . . . Notified

Stratford District

Zone Code Distribution Zone Population Size Type Chemical As F HAA NO3 Pb TCAA THM Other Chemical Plumbosolvency

MID001MI Midhirst 200 Small Local Authority 🗸 . . . . . . . . Notified

STR001ST Stratford 6,773 Medium Local Authority 🗸 . 🗸 . . . . . . Notified

South Taranaki District

Zone Code Distribution Zone Population Size Type Chemical As F HAA NO3 Pb TCAA THM Other Chemical Plumbosolvency

COL005PI Pihama 350 Small Private Other 🗸 . . . . . . . . Exempt

ELT001EL Eltham 1,980 Minor Local Authority 🗸 . . . . . . . . Notified

HAW003HA Hawera 8,550 Medium Local Authority 🗸 . 🗸 . . . . . . Notified

HAW003NO Normanby 850 Minor Local Authority 🗸 . 🗸 . . . . . . Notified

HAW003OH Ohawe Beach 210 Small Local Authority 🗸 . 🗸 . . . . . . Notified

INA001IN Inaha 495 Small Local Authority 🗸 . . . . . . . . Notified

OPU001OP Opunake 1,370 Minor Local Authority 🗸 . . . . . . . . Notified

PAT001PA Patea 1,150 Minor Local Authority 🗸 . . . . . . . . Notified

Zone Code Distribution Zone Population Size Type Chemical As F HAA NO3 Pb TCAA THM Other Chemical Plumbosolvency

RAH001RA Rahotu 115 Small Local Authority 🗸 . . . . . . . . Notified

WAI018KA Kaponga 370 Small Local Authority 🗸 . . . . . . . . Notified

WAI018MA Manaia 925 Minor Local Authority 🗸 . . . . . . . . Notified

WAI018RU Waimate West Rural 1,585 Minor Local Authority 🗸 . . . . . . . . Notified

WAV001WA Waverley 950 Minor Local Authority 🗸 . . . . . . . . Notified

Wairoa District

Zone Code Distribution Zone Population Size Type Chemical As F HAA NO3 Pb TCAA THM Other Chemical Plumbosolvency

RAU006RA Raupunga 250 Small Communal 🗸 . . . . . . . . Exempt

TUA005TU Tuai 300 Small Local Authority 🗸 . . . . . . . . Exempt

WAI006FR Frasertown 350 Small Local Authority 🗸 . . . . . . . . Notified

WAI006WA Wairoa 4,300 Minor Local Authority 🗸 . . . . . . . . Notified

Napier City

Zone Code Distribution Zone Population Size Type Chemical As F HAA NO3 Pb TCAA THM Other Chemical Plumbosolvency

BAY001BA Bayview Township 894 Minor Local Authority 🗸 . . . . . . . . Notified

NAP001NA Napier City 25,800 Large Local Authority 🗸 . . . . . . . . Notified

NAP001TA Taradale 24,110 Large Local Authority 🗸 . . . . . . . . Notified

Hastings District

Zone Code Distribution Zone Population Size Type Chemical As F HAA NO3 Pb TCAA THM Other Chemical Plumbosolvency

CLI001AL Allen Lane/Ferry Rd, Clive 198 Small Local Authority 🗸 . . . . . . . . Notified

CLI001VA Valerie St/Tuckers Lane, Clive 362 Small Local Authority 🗸 . . . . . . . . Notified

HAS001BP Bridge Pa 300 Small Local Authority 🗸 . 🗸 . . . . . . Notified

HAS001EA Hastings East 16,668 Large Local Authority 🗸 . 🗸 . . . . . . Notified

HAS001FL Flaxmere 12,171 Large Local Authority 🗸 . 🗸 . . . . . . Notified

HAS001HN Havelock North 15,370 Large Local Authority 🗸 . 🗸 . . . . . . Notified

HAS001PA Paki Paki 200 Small Local Authority 🗸 . 🗸 . . . . . . Notified

HAS001WE Hastings West & Central 20,055 Large Local Authority 🗸 . 🗸 . . . . . . Notified

HAU002HA Haumoana / Te Awanga 1,900 Minor Local Authority 🗸 . . . . . . . . Notified

OMA008OM Omahu 126 Small Local Authority 🗸 . . . . . . . . Notified

PAR025PA Parkhill Farm 288 Small Local Authority 🗸 . . . . . . . . Notified

WAI007WA Waimarama 260 Small Local Authority 🗸 . . . . . . . . Notified

WHA029WH Whakatu 337 Small Local Authority 🗸 . . . . . . . . Notified

WHI007WH Whirinaki, Hawkes Bay 750 Minor Local Authority 🗸 . . . . . . . . Notified

Central Hawkes Bay District

Zone Code Distribution Zone Population Size Type Chemical As F HAA NO3 Pb TCAA THM Other Chemical Plumbosolvency

FAR001FA Farm Road 120 Small Communal 🗸 . . . . . . . . Exempt

POR003PT Porangahau Township 130 Small Local Authority 🗸 . . . . . . . . Notified

TAK001TA Takapau Township 570 Minor Local Authority 🗸 . . . . . . . Mn🗸 Notified

WAI004HI Waipukurau High Pressure Zone 3,000 Minor Local Authority 🗸 . . . . . . . . Notified

WAI004LO Waipukurau Low Pressure Zone 666 Minor Local Authority 🗸 . . . . . . . . Notified

WAI005OT Otane Township 546 Minor Local Authority 🗸 . . . . . . . . Notified

WAI005WA Waipawa Township 1,809 Minor Local Authority 🗸 . . . . . . . . Notified

Chatham Islands

Zone Code Distribution Zone Population Size Type Chemical As F HAA NO3 Pb TCAA THM Other Chemical Plumbosolvency

WAI158WA Waitangi, Chatham Is. 125 Small Local Authority 🗸 . . . . . . . . Exempt

Wanganui District

Zone Code Distribution Zone Population Size Type Chemical As F HAA NO3 Pb TCAA THM Other Chemical Plumbosolvency

BRU001BR Brunswick-Westmere 450 Small Local Authority 🗸 . . . . . . . . Notified

FOR001FO Fordell Township 350 Small Local Authority 🗸 . . . . . . . . Notified

MAX001MA Maxwell 200 Small Local Authority 🗸 . . . . . . . . Notified

MOW001MO Mowhanau Beach 300 Small Local Authority 🗸 . . . . . . . . Notified

WAN001AR Aramoho 5,000 Minor Local Authority 🗸 . . . . . . . . Notified

WAN001EA Wanganui East 5,000 Minor Local Authority 🗸 . . . . . . . . Notified

WAN001WA Wanganui City 29,000 Large Local Authority 🗸 . . . . . . . . Notified

Rangitikei District

Zone Code Distribution Zone Population Size Type Chemical As F HAA NO3 Pb TCAA THM Other Chemical Plumbosolvency

BUL001BU Bulls Township 1,800 Minor Local Authority 🗸 . . . . 🗸 . . Cu🗸 Notified

HUN001HU Hunterville Township 400 Small Local Authority 🗸 . . . . . . . . Notified

MAN001MA Mangaweka Township 180 Small Local Authority 🗸 . . . . . . . . Notified

MAR001MA Marton Township 3,750 Minor Local Authority 🗸 . . . . . . 🗸 CHBCl2🗸 Notified

RAT001RA Ratana Township 450 Small Local Authority 🗸 . . . . . . . . Notified

TAI001TA Taihape Township 2,200 Minor Local Authority 🗸 . . . . . . . . Notified

Manawatu District

Zone Code Distribution Zone Population Size Type 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 🗸 . . . . . . . . Notified

HIM001HI Himatangi Beach 438 Small Local Authority 🗸 . . . . . . . . Notified

KIW003KI Kimbolton 150 Small Communal 🗸 . . . . . . . . Exempt

OHA002OH Ohakea 800 Minor Government Other 🗸 . . . . . . . . Notified

RON002RO Rongotea 300 Small Local Authority 🗸 . . . . . . . . Notified

SAN001SA Sanson 492 Small Local Authority 🗸 . . . . . . . . Notified

WAI022WA Waituna West 200 Small Local Authority 🗸 . . . . . . . . Notified

Palmerston North City

Zone Code Distribution Zone Population Size Type Chemical As F HAA NO3 Pb TCAA THM Other Chemical Plumbosolvency

ASH001AS Ashhurst 2,800 Minor Local Authority 🗸 . 🗸 . . . . . . Notified

BUN001BU Bunnythorpe 450 Small Local Authority 🗸 . . . . . . . . Notified

LIN001LI Linton 4,500 Minor Government Other 🗸 . 🗸 . . . . . . Notified

LON001LO Longburn 240 Small Local Authority 🗸 . . . . . . . . Notified

LON002SC Longburn Adventist College 300 Small Education Public 🗸 . . . . . . . . Exempt

LON006BR Longburn, Brandlines 150 Small Private Other 🗸 . . . . . . . . Exempt

MAS001MA Massey University 9,000 Medium Private Other 🗸 . . . . . . . . Notified

PAL001AO Aokautere 2,739 Minor Local Authority 🗸 . 🗸 . . . . . . Notified

PAL001FW Fitzherbert West 450 Small Local Authority 🗸 . 🗸 . . . . . . Notified

PAL001KG Kelvin Grove 5,784 Medium Local Authority 🗸 . 🗸 . . . . . . Notified

PAL001PC Palmerston North City 58,680 Large Local Authority 🗸 . 🗸 . . . . . . Notified

Tararua District

Zone Code Distribution Zone Population Size Type Chemical As F HAA NO3 Pb TCAA THM Other Chemical Plumbosolvency

DAN001DA Dannevirke 6,000 Medium Local Authority 🗸 . . . . . . . . Notified

EKE001EK Eketahuna 456 Small Local Authority 🗸 . . . . . . . . Notified

NOR002NO Norsewood 200 Small Local Authority 🗸 . . . . . . . . Notified

PAH001PA Pahiatua 2,700 Minor Local Authority 🗸 . . . . . . . . Notified

PLE002PL Pleckville 200 Small Communal 🗸 . . . . . . . . Exempt

PON001PO Pongaroa 200 Small Communal 🗸 . . . . . . . . Notified

WOO001WO Woodville 1,500 Minor Local Authority 🗸 . . . . . . . . Notified

Horowhenua District

Zone Code Distribution Zone Population Size Type Chemical As F HAA NO3 Pb TCAA THM Other Chemical Plumbosolvency

FOX002FO Foxton 2,700 Minor Local Authority 🗸 . . . . . . . . Notified

FOX003FO Foxton Beach 1,900 Minor Local Authority 🗸 . . . . . . . . Notified

LEV001LE Levin 20,000 Large Local Authority 🗸 . . . . . . . . Notified

SHA001SH Shannon 1,436 Minor Local Authority 🗸 . . 🗸 . . 🗸 . DCA🗸 Notified

TOK002TO Tokomaru 550 Minor Local Authority 🞩 . . 🞩 . . 🞩 . DCA🞩 Notified

Kapiti Coast District

Zone Code Distribution Zone Population Size Type Chemical As F HAA NO3 Pb TCAA THM Other Chemical Plumbosolvency

HAU003HA Hautere 700 Minor Local Authority 🗸 . . . . . . . . Notified

OTA003OT Otaki 4,700 Minor Local Authority 🗸 . . . . . . . . Notified

OTA003WA Waitohu 1,000 Minor Local Authority 🗸 . . . . . . . . Notified

PAE002PA Paekakariki 1,665 Minor Local Authority 🗸 . . . . . . . . Notified

WAI010PA Paraparaumu/Raumati 25,200 Large Local Authority 🗸 . 🗸 . . . . . . Notified

WAI010WA Waikanae 10,600 Large Local Authority 🗸 . 🗸 . . . . . . Notified

Upper Hutt City

Zone Code Distribution Zone Population Size Type Chemical As F HAA NO3 Pb TCAA THM Other Chemical Plumbosolvency

UPP001PI Pinehaven 3,090 Minor Local Authority 🗸 . 🗸 . . . . . . Notified

UPP001UP Upper Hutt Central 31,560 Large Local Authority 🗸 . 🗸 . . . . . . Notified

The Hutt City

Zone Code Distribution Zone Population Size Type Chemical As F HAA NO3 Pb TCAA THM Other Chemical Plumbosolvency

LOW001EA Eastbourne 4,704 Minor Local Authority 🗸 . 🗸 . . . . . . Notified

LOW001HA Haywards 372 Small Local Authority 🗸 . 🗸 . . . . . . Notified

LOW001LO Lower Hutt 56,103 Large Local Authority 🗸 . 🗸 . . . . . . Notified

LOW001PE Petone 8,034 Medium Local Authority 🗸 . 🗸 . . . . . . Notified

LOW001ST Stokes Valley 9,198 Medium Local Authority 🗸 . 🗸 . . . . . . Notified

LOW001WA Wainuiomata 17,058 Large Local Authority 🗸 . 🗸 . . . . . . Notified

Porirua City

Zone Code Distribution Zone Population Size Type Chemical As F HAA NO3 Pb TCAA THM Other Chemical Plumbosolvency

JUD001JU Judgeford 200 Small Local Authority 🗸 . 🗸 . . . . . . Notified

POR001MA Mana/Plimmerton/Paremata 5,184 Medium Local Authority 🗸 . 🗸 . . . . . . Notified

POR001PH Porirua High Level 15,398 Large Local Authority 🗸 . 🗸 . . . . . . Notified

POR001PL Porirua Low Level 16,924 Large Local Authority 🗸 . 🗸 . . . . . . Notified

POR001PU Pukerua Bay 1,656 Minor Local Authority 🗸 . 🗸 . . . . . . Notified

POR001WH Whitby 7,282 Medium Local Authority 🗸 . 🗸 . . . . . . Notified

Wellington City

Zone Code Distribution Zone Population Size Type Chemical As F HAA NO3 Pb TCAA THM Other Chemical Plumbosolvency

WEL002BR Brooklyn 9,765 Medium Local Authority 🗸 . 🗸 . . . . . . Notified

WEL002CH Churton 4,446 Minor Local Authority 🗸 . 🗸 . . . . . . Notified

WEL002EA Eastern Wellington 16,815 Large Local Authority 🗸 . 🗸 . . . . . . Notified

WEL002JO Johnsonville 18,357 Large Local Authority 🗸 . 🗸 . . . . . . Notified

WEL002KA Karori 13,146 Large Local Authority 🗸 . 🗸 . . . . . . Notified

WEL002KE Kelburn 9,924 Medium Local Authority 🗸 . 🗸 . . . . . . Notified

WEL002ON Onslow 11,883 Large Local Authority 🗸 . 🗸 . . . . . . Notified

WEL002SO Southern Wellington 30,024 Large Local Authority 🗸 . 🗸 . . . . . . Notified

WEL002TA Tawa 12,903 Large Local Authority 🗸 . 🗸 . . . . . . Notified

WEL002WA Wadestown 6,789 Medium Local Authority 🗸 . 🗸 . . . . . . Notified

WEL002WE Wellington Central 31,074 Large Local Authority 🗸 . 🗸 . . . . . . Notified

Masterton District

Zone Code Distribution Zone Population Size Type Chemical As F HAA NO3 Pb TCAA THM Other Chemical Plumbosolvency

FER001FE Fernridge 320 Small Communal 🗸 . . . . . . . . Exempt

MAS002MA Masterton 19,000 Large Local Authority 🗸 . 🗸 . . . . . . Notified

OPA001OP Opaki 680 Minor Communal 🗸 . . . . . . . . Notified

TIN002TI Tinui 120 Small Local Authority 🗸 . . . . . . . . Notified

WAI058WA Wainuioru Rural Water 184 Small Communal 🗸 . . . . . . . . Notified

Carterton District

Zone Code Distribution Zone Population Size Type Chemical As F HAA NO3 Pb TCAA THM Other Chemical Plumbosolvency

CAR001CA Carterton 4,200 Minor Local Authority 🗸 . . . . . . . . Notified

South Wairarapa District

Zone Code Distribution Zone Population Size Type Chemical As F HAA NO3 Pb TCAA THM Other Chemical Plumbosolvency

FEA001FE Featherston 2,580 Minor Local Authority 🞩 . . 🞩 . . . . . Notified

GRE002GR Greytown 1,952 Minor Local Authority 🗸 . . . . . . . . Notified

MAR003MA Martinborough 1,505 Minor Local Authority 🗸 . . . . . . . . Notified

Nelson City

Zone Code Distribution Zone Population Size Type Chemical As F HAA NO3 Pb TCAA THM Other Chemical Plumbosolvency

GLE013GL Glenwood 150 Small Communal 🗸 . . . . . . . . Exempt

NEL001NL Nelson 49,740 Large Local Authority 🞩 . . 🞩T . . . . . Notified

Tasman District

Zone Code Distribution Zone Population Size Type Chemical As F HAA NO3 Pb TCAA THM Other Chemical Plumbosolvency

APP002AP Appleby Hills 250 Small Communal 🗸 . . . . . . . . Exempt

CEN002CT Central Takaka 125 Small Communal 🗸 . . . . . . . . Exempt

COL007CO Collingwood 450 Small Local Authority 🗸 . . . . . . . . Notified

DOV001DO Dovedale Rural 450 Small Local Authority 🗸 . . . . . . . . Notified

EIG001EI Eighty Eight Valley Rural 200 Small Local Authority 🗸 . . . . . . . . Notified

HOP001HO Hope/Brightwater 2,730 Minor Local Authority 🗸 . . . . 🗸 . . . Notified

KAI015KA Kaiteriteri 300 Small Local Authority 🗸 . . . . . . . . Notified

LAK013LA Lake Rotoiti 200 Small DOC 🗸 . . . . . . . . Exempt

LOW006LO Lower Moutere Scheme 1 450 Small Communal 🗸 . . . . . . . . Exempt

MAP003MR Mapua Rise 192 Small Local Authority 🗸 . . . . . . . . Exempt

MOT001MO Motueka 1,200 Minor Local Authority 🗸 . . . . 🗸 . . . Notified

MUR001MU Murchison 490 Small Local Authority 🗸 . . . . . . . . Notified

POH001PV Pohara 150 Small Local Authority 🗸 . . . . . . . . Notified

RED001R1 Redwood Valley 1 180 Small Local Authority 🗸 . . . . . . . . Exempt

RED003R2 Redwood Valley 2 370 Small Local Authority 🗸 . . . . . . . . Exempt

RIC002RI Richmond 10,500 Large Local Authority 🗸 . . . 🗸 . . . . Notified

RIC002WI Waimea Industrial 1,800 Minor Local Authority 🗸 . . . 🗸 . . . . Notified

TAP003TA Tapawera 400 Small Local Authority 🗸 . . . . . . . . Notified

WAI023MR Mapua Ruby Bay 2,500 Minor Local Authority 🗸 . . . . 🗸 . . . Notified

WAK001WA Wakefield 1,500 Minor Local Authority 🗸 . . . . . . . . Notified

Marlborough District

Zone Code Distribution Zone Population Size Type Chemical As F HAA NO3 Pb TCAA THM Other Chemical Plumbosolvency

BLE001BL Blenheim 24,028 Large Local Authority 🗸 . . . . . . . . Notified

HAV002HA Havelock 618 Minor Local Authority 🗸 . . . . . . . . Notified

PIC001PI Picton/Waikawa 4,185 Minor Local Authority 🗸 . . . . . . . . Notified

RAR001RA Rarangi 160 Small Communal 🗸 . . . . . . . . Exempt

REN001RE Renwick 1,884 Minor Local Authority 🗸 . . . . . . . . Notified

RIV002RI Riverlands Industrial Estate 740 Minor Local Authority 🗸 . . . . . . . . Notified

SED001DA Dashwood Rural 333 Small Local Authority 🗸 . . . . . . . . Notified

SED001SE Seddon, Awatere Valley 1,000 Minor Local Authority 🞩 . . . . 🞩 . . Ni🞩 Notified

WAI034WA Wairau Valley 160 Small Local Authority 🗸 . . . . . . . . Notified

WAR003WA Ward 250 Small Communal 🗸 . . . . . . . . Exempt

WOO004WO Woodbourne RNZAF Base 1,500 Minor Government Other 🗸 . 🗸 . . . . . . X

Buller District

Zone Code Distribution Zone Population Size Type Chemical As F HAA NO3 Pb TCAA THM Other Chemical Plumbosolvency

HEC001HE Hector 300 Small Local Authority 🗸 . . . . . . . . Notified

HEC001NG Ngakawau 135 Small Local Authority 🗸 . . . . . . . . Notified

LIT003LI Little Wanganui 150 Small Local Authority 🗸 . . . . . . . . Notified

PUN001PU Punakaiki 230 Small Local Authority 🗸 . . . . . . . . Notified

REE001RE Reefton 951 Minor Local Authority 🗸 . . . . 🗸 . . Sb🗸 Notified

WAI001WA Waimangaroa 300 Small Local Authority 🗸 . . . . . . . . Notified

WES001CA Carters Beach 357 Small Local Authority 🗸 . . . . . . . . Notified

WES001WE Westport 4,617 Minor Local Authority 🗸 . . . . . . . . Notified

Grey District

Zone Code Distribution Zone Population Size Type Chemical As F HAA NO3 Pb TCAA THM Other Chemical Plumbosolvency

BLA001BL Blackball 280 Small Local Authority 🗸 . . . . . . . . Notified

GRE001CO Cobden 1,650 Minor Local Authority 🗸 . . . . . . . . Notified

GRE001DO Dobson 430 Small Local Authority 🗸 . . . . . . . . Notified

GRE001GM Greymouth 5,950 Medium Local Authority 🞩 . . 🞩T . . . . . Notified

GRE001TA Taylorville 190 Small Local Authority 🗸 . . . . . . . . Notified

RUN001RU Runanga 1,190 Minor Local Authority 🗸 . . . . . . . . Notified

Westland District

Zone Code Distribution Zone Population Size Type Chemical As F HAA NO3 Pb TCAA THM Other Chemical Plumbosolvency

FOX001FO Fox Glacier 252 Small Local Authority 🗸 . . . . . . . . Notified

FRA001FR Franz Josef 2,611 Minor Local Authority 🗸 . . . . . . . . Notified

HAR001HA Harihari 348 Small Local Authority 🗸 . . . . . . . . Notified

HOK001HO Hokitika 3,447 Minor Local Authority 🗸 . . 🗸 . . . . DCA🗸 Notified

KUM001KU Kumara 318 Small Local Authority 🗸 . . . . . . . . Notified

ROS001RO Ross Township 291 Small Local Authority 🗸 . . . . . . . . Notified

WHA002WH Whataroa 405 Small Local Authority 🗸 . . . . . . . . Notified

Kaikoura District

Zone Code Distribution Zone Population Size Type Chemical As F HAA NO3 Pb TCAA THM Other Chemical Plumbosolvency

FER003FE Fernleigh Rural Water Supply 150 Small Local Authority 🗸 . . . . . . . . Exempt

KAI004KU Kaikoura Urban 2,500 Minor Local Authority 🗸 . . . . . . . . X

KAI021EA Kaikoura East Coast Rural 150 Small Local Authority 🗸 . . . . . . . . Exempt

KIN003KI Kincaid Rural Water Supply 120 Small Local Authority 🗸 . . . . . . . . Exempt

OAR001OA Oaro 400 Small Local Authority 🗸 . . . . . . . . Exempt

OCE002OC Ocean Ridge 500 Small Local Authority 🗸 . . . . . . . . Exempt

Hurunui District

Zone Code Distribution Zone Population Size Type Chemical As F HAA NO3 Pb TCAA THM Other Chemical Plumbosolvency

AMB001AT Amberley Town 1,578 Minor Local Authority 🗸 . . . . . . . . Notified

AMB001BE Amberley Beach 343 Small Local Authority 🗸 . . . . . . . . Notified

AMU001RO Rotherham Township and Rural 699 Minor Local Authority 🗸 . . . . . . . . Notified

ASH002AS Ashley/Sefton/Loburn 4,527 Minor Local Authority 🗸 . . . . . . . . Notified

ASH002LB Leithfield Beach 402 Small Local Authority 🗸 . . . . . . . . Notified

ASH002LE Leithfield 903 Minor Local Authority 🗸 . . . . . . . . Notified

BAL003BA Balmoral Rural 273 Small Local Authority 🗸 . . . . . . . . Notified

BRO016BR Broomfield 565 Minor Local Authority 🗸 . . . . . . . . Notified

CHE001CT Cheviot Town 795 Minor Local Authority 🗸 . . . . . . . . Notified

CUL001CU Culverden 366 Small Local Authority 🗸 . . . . . . . . Notified

HAN001HA Hanmer Town 948 Minor Local Authority 🗸 . . . . . . . . Notified

HAW001HW Hawarden/Waikari 753 Minor Local Authority 🗸 . . . . . . . . Notified

KAI039KA Kaiwara 129 Small Local Authority 🗸 . . . . . . . . Notified

LOW010LW Lower Waitohi 315 Small Local Authority 🗸 . . . . . . . . Notified

Zone Code Distribution Zone Population Size Type Chemical As F HAA NO3 Pb TCAA THM Other Chemical Plumbosolvency

MOT016MO Motunau, Greta, Scargill 681 Minor Local Authority 🗸 . . . . . . . . Notified

PAR009PA Parnassus Rural 210 Small Local Authority 🗸 . . . . . . . . Notified

WAI026WT Waiau Township 255 Small Local Authority 🗸 . . . . . . . . Notified

WAI066UP Waitohi Upper, Waipara 513 Minor Local Authority 🗸 . . . . . . . . Notified

WAI067WA Waiau Rural 435 Small Local Authority 🗸 . . . . . . . . Notified

WAI068WA Waipara Township 285 Small Local Authority 🗸 . . . . . . . . Notified

Waimakariri District

Zone Code Distribution Zone Population Size Type Chemical As F HAA NO3 Pb TCAA THM Other Chemical Plumbosolvency

CUS001CU Cust 343 Small Local Authority 🗸 . . . . . . . . Notified

FER002FE Fernside 210 Small Local Authority 🗸 . . . . . . . . Notified

GAR001GA Garrymere 105 Small Local Authority 🗸 . . . . . . . . Notified

KAI003KA Kaiapoi 12,168 Large Local Authority 🗸 . . . . . . . . Notified

MAN009MA Mandeville 2,023 Minor Local Authority 🗸 . . . . . . . . Notified

OHO001OH Ohoka 218 Small Local Authority 🗸 . . . . . . . . Notified

OXF101OX Oxford Rural No1 775 Minor Local Authority 🗸 . . . . . . . . Notified

OXF102OR Oxford Rural No2 773 Minor Local Authority 🗸 . . . . . . . . Notified

OXF103OX Oxford Urban 2,173 Minor Local Authority 🗸 . . . . . . . . Notified

PEG001PE Pegasus 4,005 Minor Local Authority 🗸 . . . . . . . . Notified

POY001PO Poyntz Road 205 Small Local Authority 🗸 . . . 🗸 . . . . Notified

RAN001RA Rangiora 17,130 Large Local Authority 🗸 . . . . . . . . Notified

WAI011KI Waikuku Beach 1,150 Minor Local Authority 🗸 . . . . . . . . Notified

WES004SU Summerhill 428 Small Local Authority 🗸 . . . . . . . . Notified

WES004WE West Eyreton 168 Small Local Authority 🗸 . . . . . . . . Notified

WOO002WO Woodend Town 2,678 Minor Local Authority 🗸 . . . . . . . . Notified

Christchurch City

Zone Code Distribution Zone Population Size Type Chemical As F HAA NO3 Pb TCAA THM Other Chemical Plumbosolvency

AKA001AK Akaroa 1,350 Minor Local Authority 🗸 . . . . . . . . Notified

BIR001BI Birdlings Flat 150 Small Local Authority 🗸 . . . . . . . . Notified

BRO012BR Brooklands / Kainga 1,600 Minor Local Authority 🗸 . . . . . . . . Notified

CHR001CE Central Christchurch 185,000 Large Local Authority 🗸 . . . . . . . . Notified

CHR001PA Parklands 16,000 Large Local Authority 🗸 . . . . . . . . Notified

CHR001RI Riccarton 10,000 Medium Local Authority 🗸 . . . . . . . . Notified

CHR001RP Rocky Point 2,500 Minor Local Authority 🗸 . . . . . . . . Notified

CHR001WE West Christchurch 42,000 Large Local Authority 🗸 . . . . . . . . Notified

CHR002CI Christchurch Int. Airport 6,000 Medium Private Other 🗸 . . . . . . . . X

DUV001DU Duvauchelle 250 Small Local Authority 🗸 . . . . . . . . Notified

LIT001LI Little River 240 Small Local Authority 🗸 . . . . . . . . Notified

Zone Code Distribution Zone Population Size Type Chemical As F HAA NO3 Pb TCAA THM Other Chemical Plumbosolvency

LYT001DI Diamond Harbour 1,200 Minor Local Authority 🗸 . . . . . . . . Notified

LYT001GO Governors Bay 750 Minor Local Authority 🗸 . . . . . . . . Notified

LYT001LY Lyttelton 2,500 Minor Local Authority 🗸 . . . . . . . . Notified

NOR012CH Northwest Christchurch 80,000 Large Local Authority 🗸 . . . . . . . . Notified

OKA010OK Okains Bay 105 Small Communal 🗸 . . . . . . . . Exempt

TAK002TA Takamatua 150 Small Local Authority 🗸 . . . . . . . . Notified

WAI138WA Wainui 200 Small Local Authority 🗸 . . . . . . . . Notified

WAT006WB Waterloo Business Pk, Stage 1 400 Small Private Other 🗸 . . . . . . . . Exempt

Selwyn District

Zone Code Distribution Zone Population Size Type Chemical As F HAA NO3 Pb TCAA THM Other Chemical Plumbosolvency

ART002AR Arthurs Pass 350 Small Local Authority 🗸 . . . . . . . . Notified

BUR001BU Burnham Camp 2,000 Minor Government Other 🗸 . 🗸 . 🗸 . . . . Notified

CAS003CA Castle Hill 299 Small Local Authority 🗸 . . . . . . . . Notified

CLA005CL Claremont 170 Small Local Authority 🗸 . . . . . . . . Notified

DAR001DA Darfield 3,520 Minor Local Authority 🗸 . . . 🗸 . . . MAVNOx🗸 Notified

DUN008DU Dunsandel & Sherwood Estate 480 Small Local Authority 🗸 . . . 🗸 . . . . Notified

EDE002ED Edendale, Sandy Knolls 180 Small Local Authority 🗸 . . . 🗸 . . . . Notified

JOH001JO Johnson Rd, West Melton 160 Small Local Authority 🗸 . . . . . . . . Notified

KIR001KI Kirwee 1,207 Minor Local Authority 🗸 . . . . . . . . Notified

LAK007LA Lake Coleridge 148 Small Local Authority 🗸 . . . . . . . . Notified

LEE001LE Leeston 2,350 Minor Local Authority 🗸 . . . . . . . . Notified

LIN002LI Lincoln 5,400 Medium Local Authority 🗸 . . . . . . . . Notified

MAL001DA Dalethorpe 183 Small Local Authority 🗸 . . . . . . . . Notified

MAL001MA Malvern Hills, Hartleys Rd 1,409 Minor Local Authority 🗸 . . . . . . . . Notified

PRE001PR Prebbleton 3,906 Minor Local Authority 🗸 . . . . . . . . Notified

RAK003RA Rakaia Huts 313 Small Local Authority 🗸 . . . . . . . . Notified

ROL001RO Rolleston 15,047 Large Local Authority 🗸 . . . . . . . . Notified

SEL001AC Acheron 240 Small Local Authority 🗸 . . . . . . . . Notified

SEL001HO Hororata 920 Minor Local Authority 🗸 . . . . . . . . Notified

SHE004SH Sheffield/Waddington 585 Minor Local Authority 🗸 . . . . . . . . Notified

SOU001SO Southbridge 992 Minor Local Authority 🗸 . . . . . . . . Notified

SPR002SP Springfield 520 Minor Local Authority 🗸 . . . . . . . . Notified

SPR003SP Springston 510 Minor Local Authority 🗸 . . . . . . . . Notified

Zone Code Distribution Zone Population Size Type Chemical As F HAA NO3 Pb TCAA THM Other Chemical Plumbosolvency

TAI009TA Tai Tapu 606 Minor Local Authority 🗸 . . . . . . . . Notified

WES010WE West Melton 1,800 Minor Local Authority 🗸 . . . . . . . . Notified

Ashburton District

Zone Code Distribution Zone Population Size Type Chemical As F HAA NO3 Pb TCAA THM Other Chemical Plumbosolvency

ASH003AS Ashburton 18,500 Large Local Authority 🗸 . . . 🗸 . . . . Notified

CHE002CH Chertsey 230 Small Local Authority 🗸 . . . . . . . . Notified

FAI001FA Fairton 210 Small Local Authority 🗸 . . . 🗸 . . . . Notified

HAK001HH Hakatere Upper 110 Small Local Authority 🗸 . . . . . . . . Notified

HIG002HI Highbank Society Water Supply 220 Small Communal 🗸 . . . . . . . . Exempt

HIN001HI Hinds 340 Small Local Authority 🗸 . . . 🗸 . . . . Notified

LYN002LY Lyndhurst 250 Small Private Other 🗸 . . . . . . . . Exempt

MAY001MA Mayfield 160 Small Local Authority 🗸 . . . . . . . . Notified

MET001ME Methven 1,700 Minor Local Authority 🗸 . 🗸 . . . . . . Notified

MET002MS Methven/Springfield 178 Small Local Authority 🗸 . . . . . . . . Notified

MTS001MS Mt Somers Township 260 Small Local Authority 🗸 . . . . . . . . Notified

RAK001RA Rakaia Township 1,100 Minor Local Authority 🗸 . . . . . . . . Notified

Timaru District

Zone Code Distribution Zone Population Size Type Chemical As F HAA NO3 Pb TCAA THM Other Chemical Plumbosolvency

ARO002AO Arowhenua 215 Small Private Other 🗸 . . . . . . . . Exempt

DOW001ST Sutherlands/Taiko 3,500 Minor Local Authority 🗸 . . . . . . . . Notified

DOW001WR Waimate Rural 350 Small Local Authority 🗸 . . . . . . . . Notified

DOW001WT Waitohi/Totara Valley 700 Minor Local Authority 🗸 . . . . . . . . Notified

GER001GE Geraldine 2,121 Minor Local Authority 🗸 . . . . . . . . Notified

HAD001HA Hadlow 312 Small Local Authority 🗸 . . . . . . . . Notified

PAR002PA Pareora 450 Small Local Authority 🗸 . . . . . . . . Notified

PEE001PF Peel Forest 130 Small Local Authority 🗸 . . . . . . . . Notified

PLE001PP Pleasant Point 1,200 Minor Local Authority 🗸 . . . . . . . . Notified

SEA001SE Seadown 750 Minor Local Authority 🗸 . . . . . . . . Notified

STA004ST St Andrews 280 Small Local Authority 🗸 . . . . . . . . Notified

TEM001OR Orari 180 Small Local Authority 🗸 . . . . . . . . Notified

TEM001TE Temuka 3,984 Minor Local Authority 🗸 . . . . . . . . Notified

TEM001WI Winchester 260 Small Local Authority 🗸 . . . . . . . . Notified

TEM002GD Geraldine Downs 450 Small Local Authority 🗸 . . . . . . . . Notified

TEM002GF Geraldine Flat 200 Small Local Authority 🗸 . . . . . . . . Notified

TEM002TE Te Moana 1,000 Minor Local Authority 🗸 . . . . . . . . Notified

TIM001GL Gleniti 3,400 Minor Local Authority 🗸 . . . . . . . . Notified

TIM001TI Timaru 23,432 Large Local Authority 🗸 . . . . . . . . Notified

Mackenzie District

Zone Code Distribution Zone Population Size Type Chemical As F HAA NO3 Pb TCAA THM Other Chemical Plumbosolvency

ALB001AL Albury Rural 125 Small Communal 🗸 . . . . . . . . Notified

ALL001AL Allandale 150 Small Local Authority 🗸 . . . . . . . . Notified

FAI002FA Fairlie 850 Minor Local Authority 🗸 . . . . . . . . Notified

FAI002KI Kimbell 150 Small Local Authority 🗸 . . . . . . . . Notified

MTC001MT Mt Cook 350 Small DOC 🗸 . . . . . . . . Notified

TEK005TE Tekapo 500 Small Local Authority 🗸 . . . . . . . . Notified

TWI001TW Twizel 1,300 Minor Local Authority 🞩 . . . . 🞩 . . Cu🞩 Notified

Waimate District

Zone Code Distribution Zone Population Size Type Chemical As F HAA NO3 Pb TCAA THM Other Chemical Plumbosolvency

CAN001CM Cannington/Motukaika 120 Small Local Authority 🗸 . . . . . . . . Notified

HAK002HA Hakataramea 165 Small Communal 🗸 . . . . . . . . Exempt

HOO001HW Hook/Waituna 1,350 Minor Local Authority 🗸 . . . . . . . . Notified

LOW002LO Lower Waihao 600 Minor Local Authority 🗸 . . . . . . . . Notified

OTA005OM Otaio/Makikihi 430 Small Local Authority 🗸 . . . . . . . . Notified

WAI031WA Waihaorunga 141 Small Local Authority 🗸 . . . . . . . . Notified

WAI032WA Waikakahi 360 Small Local Authority 🗸 . . . . . . . . Notified

WAI033WA Waimate 3,000 Minor Local Authority 🗸 . . . . . . . . Notified

Waitaki District

Zone Code Distribution Zone Population Size Type Chemical As F HAA NO3 Pb TCAA THM Other Chemical Plumbosolvency

AWA001AW Awamoko 399 Small Local Authority 🗸 . . . . . . . . Notified

HAM002HA Hampden 237 Small Local Authority 🗸 . . . . . . . . Notified

HAM002MO Moeraki 264 Small Local Authority 🗸 . . . . . . . . Notified

HER001HE Herbert 670 Minor Local Authority 🗸 . . . . . . . . Notified

KAU001KA Kauru Hill 197 Small Local Authority 🗸 . . . . . . . . Notified

KUR001KU Kurow Township 330 Small Local Authority 🗸 . . . . . . . . Notified

LOW004LO Lower Waitaki 778 Minor Local Authority 🗸 . . . 🗸 . . . . Notified

MAH001MA Maheno 152 Small Communal 🗸 . . . . . . . . Exempt

OAM001AR Oamaru, Ardgowan 252 Small Local Authority 🗸 . . . . . . . . Notified

OAM001CE Oamaru, Central 4,622 Minor Local Authority 🗸 . . . . . . . . Notified

OAM001KA Oamaru, Kakanui 520 Minor Local Authority 🗸 . . . . . . . . Notified

OAM001NE Oamaru, North End 2,234 Minor Local Authority 🗸 . . . . . . . . Notified

Zone Code Distribution Zone Population Size Type Chemical As F HAA NO3 Pb TCAA THM Other Chemical Plumbosolvency

OAM001RR Oamaru, Reservoir Road 768 Minor Local Authority 🗸 . . . . . . . . Notified

OAM001SH Oamaru, South Hill 3,933 Minor Local Authority 🗸 . . . . . . . . Notified

OAM001WE Oamaru, Weston - Enfield 2,061 Minor Local Authority 🗸 . . . . . . . . Notified

OMA001OM Omarama Town 270 Small Local Authority 🗸 . . . . . . . . Notified

OTE001OT Otematata Hydro Village 195 Small Local Authority 🗸 . . . . . . . . Notified

TOK003TL Tokarahi/Livingstone 573 Minor Local Authority 🗸 . . . . . . . . Notified

WAI215DU Waihemo, Dunback Rural 229 Small Local Authority 🗸 . . . . . . . . Notified

WAI215GO Waihemo, Goodwood Rural 270 Small Local Authority 🗸 . . . . . . . . Notified

WAI215PA Waihemo, Palmerston Town 858 Minor Local Authority 🗸 . . . . . . . . Notified

WIN004WI Windsor 137 Small Local Authority 🗸 . . . . . . . . Notified

Central Otago District

Zone Code Distribution Zone Population Size Type Chemical As F HAA NO3 Pb TCAA THM Other Chemical Plumbosolvency

ALE001AL Alexandra 5,000 Minor Local Authority 🗸 . . . . . . . . Notified

ALE002BE Bennys 104 Small Communal 🗸 . . . . . . . . Exempt

CLY001CL Clyde Township 1,000 Minor Local Authority 🗸 . . . . . . . . Notified

CRO001BA Bannockburn 400 Small Local Authority 🗸 . . . . . . . . Notified

CRO001CR Cromwell 4,000 Minor Local Authority 🗸 . . . . . . . . Notified

EAR002EA Earnscleugh Water Scheme 120 Small Private Other 🗸 . . . . . . . . Exempt

LAS003LA Last Chance 120 Small Communal 🗸 . . . . . . . . Notified

MIL006MI Millers Flat 210 Small Communal 🗸 . . . . . . . . Exempt

NAS001NA Naseby 150 Small Local Authority 🗸 . . . . . . . . Notified

OMA005OM Omakau 350 Small Local Authority 🗸 . . . . . . . . Notified

PAT003PA Patearoa 260 Small Local Authority 🗸 . . . . . . . . Notified

PIS001PI Pisa Moorings 157 Small Private Other 🗸 . . . . . . . . Exempt

PIS002PI Pisa Village 250 Small Local Authority 🗸 . . . . . . . . Notified

RAN002RA Ranfurly 750 Minor Local Authority 🗸 . . . . . . . . Notified

ROX001RO Roxburgh 700 Minor Local Authority 🗸 . . . . . . . . Notified

Dunedin City

Zone Code Distribution Zone Population Size Type Chemical As F HAA NO3 Pb TCAA THM Other Chemical Plumbosolvency

DUN001BO Booth Road, Dunedin 37,036 Large Local Authority 🗸 . 🗸 . . . . . . Notified

DUN001GI Green Island 10,199 Large Local Authority 🗸 . 🗸 . . . . . . Notified

DUN001LL Low Levels/Peninsula, Dunedin 37,726 Large Local Authority 🗸 . 🗸 . . . . . . Notified

DUN001MH Maori Hill 13,785 Large Local Authority 🗸 . 🗸 . . . . . . Notified

DUN001PC Port Chalmers 2,469 Minor Local Authority 🗸 . 🗸 . . . . . . Notified

DUN001WI Wingatui, Dunedin 1,124 Minor Local Authority 🗸 . 🗸 . . . . . . Notified

MOS001EA East Taieri 300 Small Local Authority 🗸 . . . . . . . . Notified

MOS001KI Kinmont 341 Small Local Authority 🗸 . . . . . . . . Notified

Zone Code Distribution Zone Population Size Type Chemical As F HAA NO3 Pb TCAA THM Other Chemical Plumbosolvency

MOS001QH Quarry Hill 9,535 Medium Local Authority 🗸 . . . . . . . . Notified

OUT001OU Outram Township 750 Minor Local Authority 🗸 . . . . . . . . Notified

WAI015WK Waikouaiti/Karitane/Seacliff 1,642 Minor Local Authority 🗸 . . . . . . . . Notified

WES002WE West Taieri Scheme 450 Small Local Authority 🗸 . . . . . . . . Notified

Clutha District

Zone Code Distribution Zone Population Size Type Chemical As F HAA NO3 Pb TCAA THM Other Chemical Plumbosolvency

BAL001BA Balclutha 3,918 Minor Local Authority 🗸 . 🗸 . . . . . . Notified

CLY005CL Clinton Township 285 Small Local Authority 🗸 . . . . . . . . Notified

CLY005RU Clydevale-Pomahaka Rural 493 Small Local Authority 🗸 . . . . . . . . Notified

GLE001GK Glenkenich Rural 705 Minor Local Authority 🞩 . . 🞩 . . 🞩 . DCA🞩 Notified

KAI005KA Kaitangata Township 762 Minor Local Authority 🗸 . 🗸 . . . . . . Notified

LAW001LT Lawrence 417 Small Local Authority 🗸 . . . . . . . . Notified

MIL001MT Milton 1,929 Minor Local Authority 🞩 . 🗸 🞩 . . . . . Notified

MIL001OC Otago Corrections Facility 600 Minor Local Authority 🗸 . 🗸 . . . . . . Notified

MOA001MF Moa Flat Rural 534 Minor Local Authority 🗸 . . . . . . . . Notified

NOR003NB North Bruce Rural 658 Minor Local Authority 🞩 . . 🞩 . . 🞩 . DCA🞩 Notified

NOR003WT Waihola Township 270 Small Local Authority 🗸 . . . . . . . . Notified

OWA001OW Owaka 303 Small Local Authority 🗸 . . . . . . . . Notified

RIC009KA Kaka Point Township 222 Small Local Authority 🗸 . . . . . . . . Notified

RIC009NO Richardson Rural North 312 Small Local Authority 🗸 . . . . . . . . Notified

RIC009SO Richardson Rural South 469 Small Local Authority 🗸 . . . . . . . . Notified

STI002SB South Bruce Rural 434 Small Local Authority 🗸 . . . . . . . . Notified

STI002ST Stirling Township 303 Small Local Authority 🗸 . . . . . . . . Notified

TAP001TA Tapanui 726 Minor Local Authority 🞩 . 🞩T . . . . . . Notified

TUA004TW Tuapeka West Rural 283 Small Local Authority 🗸 . . . . . . . . Notified

WAI016B1 Balmoral 1 Rural 247 Small Local Authority 🗸 . . . . . . . . Notified

WAI016B2 Balmoral 2 Rural 399 Small Local Authority 🗸 . . . . . . . . Notified

WAI016TE Tuapeka East Rural 276 Small Local Authority 🗸 . . . . . . . . Notified

Queenstown Lakes District

Zone Code Distribution Zone Population Size Type Chemical As F HAA NO3 Pb TCAA THM Other Chemical Plumbosolvency

ARR001AR Arrowtown 3,587 Minor Local Authority 🗸 . . . . . . . . Notified

ART001AP Arthurs Point 1,248 Minor Local Authority 🗸 . . . . . . . . Notified

CAM008CA Camphill Estate 132 Small Communal 🗸 . . . . . . . . Exempt

GLE003GL Glenorchy 1,232 Minor Local Authority 🗸 . . . . . . . . Notified

HAW002HA Hawea 2,444 Minor Local Authority 🗸 . . . . . . . . Notified

JAC002JA Jacks Point 600 Minor Private Other 🗸 . . . . . . . . Notified

LAK003ES Lake Hayes Est & Shotover Ctry 799 Minor Local Authority 🗸 . . . . . . . . Notified

LAK003LH Lake Hayes 1,697 Minor Local Authority 🗸 . . . . . . . . Notified

LUG001LU Luggate 855 Minor Local Authority 🗸 . . . . . . . . Notified

QUE001KE Kelvin Heights 4,400 Minor Local Authority 🗸 . . . . . . . . Notified

QUE001QU Queenstown 15,600 Large Local Authority 🗸 . . . . . . . . Notified

WAN002AL Albert Town 506 Minor Local Authority 🗸 . . . . . . . . Notified

WAN002WA Wanaka 9,608 Medium Local Authority 🗸 . . . . . . . . Notified

WAN007WA Wanaka Airport 150 Small Local Authority 🗸 . . . . . . . . Notified

Gore District

Zone Code Distribution Zone Population Size Type Chemical As F HAA NO3 Pb TCAA THM Other Chemical Plumbosolvency

GOR001GO Gore 7,480 Medium Local Authority 🗸 . . . . . . . . Notified

MAT002MA Mataura 1,790 Minor Local Authority 🗸 . . . . . . . . Notified

OTA004OT Otama 300 Small Local Authority 🗸 . . . . . . . . Notified

Invercargill City

Zone Code Distribution Zone Population Size Type Chemical As F HAA NO3 Pb TCAA THM Other Chemical Plumbosolvency

INV001BL Bluff 2,956 Minor Local Authority 🗸 . 🗸 . . . . . . Notified

INV001IN Invercargill City 47,500 Large Local Authority 🗸 . 🗸 . . . . . . Notified

Southland District

Zone Code Distribution Zone Population Size Type Chemical As F HAA NO3 Pb TCAA THM Other Chemical Plumbosolvency

EDE001ED Edendale 558 Minor Local Authority 🗸 . . . . . . . . Notified

EDE001WY Wyndham 594 Minor Local Authority 🗸 . . . . . . . . Notified

LUM001BA Lumsden/Balfour Rural 608 Minor Local Authority 🗸 . . . . . . . . Notified

LUM001LU Lumsden 453 Small Local Authority 🗸 . . . . . . . . Notified

MAN006MA Manapouri 228 Small Local Authority 🗸 . . . . . . . . Notified

MIL007MI Milford Sound 350 Small Private Other 🗸 . . . . . . . . Notified

MOS002MO Mossburn 201 Small Local Authority 🗸 . . . . . . . . Notified

OHA009NI Nightcaps 306 Small Local Authority 🗸 . . . . . . . . Notified

OHA009OH Ohai 303 Small Local Authority 🗸 . . . . . . . . Notified

OTA001OT Otautau 798 Minor Local Authority 🗸 . . . . . . . . Notified

RIV001RI Riverton 1,506 Minor Local Authority 🗸 . . . . . . . . Notified

TEA002TE Te Anau 2,628 Minor Local Authority 🗸 . . . . . . . . Notified

TUA001TU Tuatapere 561 Minor Local Authority 🗸 . . . . . . . . Notified

WIN001WI Winton 2,436 Minor Local Authority 🗸 . . . . . . . . Notified

Appendix 4. Requirements of the Health Act

**KEY**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Size** | **Population** | **Sections 69S, U, Y & Z  apply from** | **Symbol** | **Meaning** | **Health Act Section** | **Requirements for** |
| Large | 10,001 or more | 1 July 2012 | 🗸 | 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 🗸, NR or n/a. |

Whangarei District

Zone Code Distribution Zone Population Size Type 69S 69U 69Y 69Z 69ZD 69ZE 69ZF Met Requirements PHRMP Status

BRE001BR Bream Bay 5,900 Medium Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 🗸 Yes Implementing

HUK001HU Hukerenui School 150 Small Education Public 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

MAU002MA Maungakaramea 200 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

WHA007HE Whangarei Heads 7,200 Medium Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

WHA007HI Hikurangi 1,330 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

WHA007WH Whangarei 48,000 Large Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 🗸 Yes Implementing

Far North District

Zone Code Distribution Zone Population Size Type 69S 69U 69Y 69Z 69ZD 69ZE 69ZF Met Requirements PHRMP Status

CAR011CA Carrington Estate 120 Small Private Other 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

DOU004EC East Coast Bays 2,000 Minor Private Other 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

KAI006KA Kaikohe 4,000 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

KAI006NG Ngawha Springs 200 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

KAI008KA Kaitaia 5,400 Medium Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

KAW002KA Kawakawa 1,500 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

KAW002MO Moerewa / Otiria 2,000 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

Zone Code Distribution Zone Population Size Type 69S 69U 69Y 69Z 69ZD 69ZE 69ZF Met Requirements PHRMP Status

KER001KE Kerikeri 6,200 Medium Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

KER001WA Waipapa 500 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

NGA046NG Ngati Rehia Wai Trust 120 Small Marae 🗸 🗸 🞩 NR 🗸 🗸 n/a No Redrafting

OKA003OK Okaihau 800 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

OMA002OM Omapere 900 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 🗸 Yes Implementing

PAI001HA Haruru Falls 1,000 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

PAI001OP Opua 1,000 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

PAI001PA Paihia 2,000 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

PAK003PA Pakanae 160 Small Communal 🗸 🗸 🗸 🗸 🗸 🗸 🞩 No Implementing

RAW001RA Rawene 600 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

RUS004RU Russell Township-Commercial 200 Small Private Other 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

WAI045WA Waipapa, Lock 150 Small Private Other 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

WAI226WA Waima Hapu Community 200 Small Private Other 🗸 🗸 🞩 NR 🗸 🗸 🞩 No Redrafting

WHI012WH Whirinaki Water Board 400 Small Private Other 🗸 🗸 🞩 🗸 🗸 🗸 🞩 No Implementing

Kaipara District

Zone Code Distribution Zone Population Size Type 69S 69U 69Y 69Z 69ZD 69ZE 69ZF Met Requirements PHRMP Status

DAR002BB Baylys Beach 228 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

DAR002DT Dargaville Town 4,455 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

KAI007KD Kaihu-Dargaville 324 Small Local Authority 🗸 🗸 🞩 NR 🗸 🗸 n/a No Not Started

MAN003MA Mangawhai Heads 200 Small Local Authority 🗸 🗸 🗸 NR 🗸 🗸 n/a Yes Not Started

MAU001MA Maungaturoto 900 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

RUA001RU Ruawai 426 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

Greater Auckland (Watercare)

Zone Code Distribution Zone Population Size Type 69S 69U 69Y 69Z 69ZD 69ZE 69ZF Met Requirements PHRMP Status

AUC003AA Auckland Airport 4,557 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

AUC003AU Auckland 261,638 Large Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

AUC003AZ Anzac 3,445 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

AUC003BU Buckland 609 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

AUC003CB Central Business Dist.Auckland 14,590 Large Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

AUC003CL Clarks/Waiau Beach 1,332 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

AUC003EB East Tamaki/Botany 36,914 Large Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

AUC003GL Glenbrook Beach 393 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

AUC003GN Glen Eden/New Lynn 56,785 Large Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

Zone Code Distribution Zone Population Size Type 69S 69U 69Y 69Z 69ZD 69ZE 69ZF Met Requirements PHRMP Status

AUC003HE Henderson 125,916 Large Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

AUC003HH High Head 4,000 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

AUC003HI Hillsborough 62,355 Large Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

AUC003HO Howick/Pakuranga 94,803 Large Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

AUC003HT Hilltop 947 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

AUC003HW HBC/Waiwera 28,898 Large Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

AUC003KI Kitchener 14,866 Large Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

AUC003LA Laingholm 2,457 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

AUC003MA Maungawhau 45,267 Large Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

AUC003MG Mangere 71,629 Large Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

AUC003MO Montana 4,615 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

AUC003MT Mt Hobson 30,526 Large Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

AUC003MW Manurewa 72,305 Large Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

AUC003ON Onehunga 27,101 Large Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

AUC003OP Otara/Papatoetoe/Manukau Cent. 58,441 Large Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

AUC003OR Oratia 1,596 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

AUC003OT Otahuhu 11,083 Large Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

AUC003PT Patumahoe 606 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

AUC003SO North Shore Sth. 151,400 Large Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

AUC003SW Swanson 4,540 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

AUC003TH Te Henga 1,085 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

AUC003WE North Shore West 71,300 Large Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

AUC003WH Whenuapai 5,460 Medium Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

BOM003BO Bombay 609 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

BUR004BU Burnside Road 352 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

HEL005HP Helensville/Parakai 4,579 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 🗸 Yes Implementing

HUI006HV Huia Village 597 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

MUR011MU Muriwai 563 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

PAP001PC Papakura City 32,421 Large Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

PAP001RH Red Hill 2,475 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

PAP001TA Takanini 13,617 Large Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

SNE002SN Snells/Algies 4,664 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

WAI214WA Waiuku 8,697 Medium Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

WAR006WA Warkworth 4,111 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

WEL004WE Wellsford/Te Hana 2,114 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

Greater Auckland

Zone Code Distribution Zone Population Size Type 69S 69U 69Y 69Z 69ZD 69ZE 69ZF Met Requirements PHRMP Status

BOM002BO Bombay Motorway Services 200 Small Private Other 🗸 🗸 🗸 NR 🗸 🗸 n/a Yes Approved

BRO015BP Broadway Park, Newmarket 1,000 Minor Private Other 🗸 🗸 🞩 🞩 🗸 🗸 n/a No Approved

HAR005HA Haranui Whanau 200 Small Marae 🗸 🗸 🗸 🗸 🗸 🗸 🗸 Yes Implementing

KEN005KP Kensington Park 450 Small Private Other 🗸 🗸 🗸 NR 🗸 🗸 n/a Yes Approved

KIN002KH Kingseat Community 400 Small Private Other 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

MAT034MA Matiatia Wharf 800 Minor Local Authority 🗸 🗸 🗸 🞩 🗸 🗸 n/a No Approved

PIN003PI Pine Harbour 150 Small Private Other 🗸 🗸 🗸 NR 🗸 🗸 n/a Yes Approved

WAI197GL Waiuku, Glenbrook Beach Road 200 Small Private Other 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

Thames Coromandel District

Zone Code Distribution Zone Population Size Type 69S 69U 69Y 69Z 69ZD 69ZE 69ZF Met Requirements PHRMP Status

COR001CO Coromandel 1,657 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

HAH001HA Hahei, Harsant Subdivision 457 Small Local Authority 🗸 🗸 🗸 NR 🗸 🗸 n/a Yes Redrafting

HAH003PA Hahei, Pa Road 200 Small Private Other 🞩 🞩 🞩 NR NR 🞩 n/a No Draft

MAT009MA Matatoki 150 Small Local Authority 🞩 🞩 🞩 NR 🗸 🞩 n/a No Not Planned

MAT010MA Matarangi 279 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

ONE002ON Onemana 170 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 🗸 Yes Implementing

PAU001PA Pauanui 747 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

PUR003PU Puriri 150 Small Local Authority 🞩 🞩 🞩 NR 🗸 🞩 n/a No Not Planned

TAI002TA Tairua 1,335 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

TEP007AP Te Puru - Aputa Ave 200 Small Local Authority 🞩 🞩 🞩 🗸 NR 🞩 n/a No Implementing

THA001TK Thames - Kopu 7,657 Medium Local Authority 🗸 🗸 🞩 🗸 🗸 🗸 n/a No Implementing

WHA003WH Whangamata 3,665 Minor Local Authority 🗸 🗸 🞩 🞩 🗸 🗸 🗸 No Redrafting

WHI001WH Whitianga 4,115 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

Hauraki District

Zone Code Distribution Zone Population Size Type 69S 69U 69Y 69Z 69ZD 69ZE 69ZF Met Requirements PHRMP Status

KAI013KA Kaimanawa 204 Small Local Authority 🗸 🗸 🗸 NR 🗸 🗸 n/a Yes Not Started

KAR001KA Karangahake 147 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 🞩 No Implementing

KER005KE Kerepehi 1,371 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

KER005TU Turua 1,181 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

MAC003MA Mackaytown 174 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 🗸 Yes Implementing

PAE001OH Ohinemuri 702 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

PAE001PA Paeroa 3,864 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

WAI003WA Waihi 4,623 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

WAI043WA Waikino 304 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

WAI201WA Waitakaruru 2,076 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

Waikato District

Zone Code Distribution Zone Population Size Type 69S 69U 69Y 69Z 69ZD 69ZE 69ZF Met Requirements PHRMP Status

HUN002HU Huntly 7,210 Medium Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

HUN002RO Rotongaro 130 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

NGA002HO Horotiu 459 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

NGA002HP Hopuhopu 200 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

NGA002NG Ngaruawahia 5,691 Medium Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

NGA002TA Taupiri 529 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

NOR013NO North Western Dist, Waikato DC 115 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

POK001PO Pokeno 519 Minor Local Authority 🗸 🗸 🗸 🞩 🗸 🗸 n/a No Draft

RAG001RA Raglan 3,187 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

SOU009SO Southern Districts, Waikato DC 5,466 Medium Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

TEK001TR Te Kauwhata / Rangiriri 1,410 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

TEK001WH Whangamarino Rural / Meremere 739 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

TUA002TN Tuakau North 823 Minor Local Authority 🗸 🗸 🗸 🞩 🗸 🗸 n/a No Draft

TUA002TS Tuakau South 3,119 Minor Local Authority 🗸 🗸 🗸 🞩 🗸 🗸 n/a No Draft

Matamata Piako District

Zone Code Distribution Zone Population Size Type 69S 69U 69Y 69Z 69ZD 69ZE 69ZF Met Requirements PHRMP Status

MAT004MA Matamata Township 6,309 Medium Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 🗸 Yes Implementing

MAT004WA Waharoa 634 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 🗸 Yes Implementing

MOR001MO Morrinsville Township 6,603 Medium Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

TAH001TA Tahuna Township 120 Small Local Authority 🗸 🗸 🗸 NR 🗸 🗸 🗸 Yes Not Started

TAT005FA Tatua Dairy Factory Endpoint 200 Small Private Other 🗸 🗸 🞩 NR 🗸 🗸 n/a No Redrafting

TEA003TE Te Aroha 3,768 Minor Local Authority 🗸 🗸 🗸 🞩 🗸 🗸 🗸 No Redrafting

WAI049WA Waitoa Village & Factory 500 Small Private Other 🗸 🗸 🗸 NR 🗸 🗸 🞩 No Redrafting

Hamilton City

Zone Code Distribution Zone Population Size Type 69S 69U 69Y 69Z 69ZD 69ZE 69ZF Met Requirements PHRMP Status

HAM001HA Hamilton City 130,813 Large Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

HAM001RU Ruakura/Ryburn Road 151 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

HAM001TE Temple View, Hamilton 1,413 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

Waipa District

Zone Code Distribution Zone Population Size Type 69S 69U 69Y 69Z 69ZD 69ZE 69ZF Met Requirements PHRMP Status

CAM001CA Cambridge 13,368 Large Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 🗸 Yes Implementing

CAM001KA Karapiro Village 132 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 🗸 Yes Implementing

HAM006IT East Side Terminal 400 Small Private Other 🗸 🗸 🗸 NR 🗸 🗸 n/a Yes Not Planned

HAM006WE West Side Aviation Area 350 Small Private Other 🗸 🗸 🗸 NR 🗸 🗸 n/a Yes Not Planned

KIH001KI Kihikihi 2,000 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

PUK001OH Ohaupo 468 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

PUK001PU Pukerimu Rural 3,278 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

TEA001PI Pirongia 1,500 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

TEA001TE Te Awamutu Township 9,165 Medium Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

TOK006TH Tokanui 250 Small Communal 🗸 🗸 🗸 NR 🗸 🗸 n/a Yes Not Planned

Otorohanga District

Zone Code Distribution Zone Population Size Type 69S 69U 69Y 69Z 69ZD 69ZE 69ZF Met Requirements PHRMP Status

ARO001AO Aotearoa Road, Arohena 120 Small Local Authority 🗸 🗸 🗸 NR 🗸 🗸 n/a Yes Not Started

ARO001MA Mangare Road, Arohena 120 Small Local Authority 🗸 🗸 🗸 NR 🗸 🗸 n/a Yes Not Started

KAW001KA Kawhia Township 390 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

OTO001OT Otorohanga 2,875 Minor Local Authority 🗸 🗸 🗸 🞩 🗸 🗸 n/a No Redrafting

OTO001WA Waipa 175 Small Local Authority 🗸 🗸 🗸 NR 🗸 🗸 n/a Yes Redrafting

TIH001TI Tihiroa 400 Small Local Authority 🗸 🗸 🗸 NR 🗸 🗸 n/a Yes Not Started

South Waikato District

Zone Code Distribution Zone Population Size Type 69S 69U 69Y 69Z 69ZD 69ZE 69ZF Met Requirements PHRMP Status

ARA003AR Arapuni 300 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

PUT001PU Putaruru 4,116 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 🗸 Yes Implementing

TIR001TI Tirau 700 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

TOK001TO Tokoroa 13,300 Large Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

Waitomo District

Zone Code Distribution Zone Population Size Type 69S 69U 69Y 69Z 69ZD 69ZE 69ZF Met Requirements PHRMP Status

BEN002BE Benneydale 280 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

MOK002MO Mokau, Waitomo 200 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

PIO001PI Piopio 500 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

TAH002TA Taharoa Village 300 Small Private Other 🗸 🗸 🗸 NR 🗸 🗸 🗸 Yes Not Planned

TEK003TE Te Kuiti 4,612 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 🗸 Yes Implementing

WAI012WC Waitomo Caves 500 Small Private Other 🗸 🗸 🞩 NR 🗸 🗸 🞩 No Not Planned

Ruapehu District

Zone Code Distribution Zone Population Size Type 69S 69U 69Y 69Z 69ZD 69ZE 69ZF Met Requirements PHRMP Status

NAT001NA National Park 240 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

OHA001OH Ohakune Township 1,500 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

OHU001OH Ohura 160 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

OWH001OW Owhango 200 Small Local Authority 🗸 🗸 🗸 NR 🗸 🗸 n/a Yes Redrafting

PIR001PI Piriaka 120 Small Communal 🞩 🗸 🞩 🗸 🗸 🞩 🞩 No Implementing

RAE001RA Raetihi Township 749 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 🞩 No Implementing

TAU003TA Taumarunui 4,870 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

WAI002WA Waiouru Township 2,800 Minor Got Other 🞩 🞩 🞩 🞩 🞩 🞩 🞩 No Redrafting

WHA015WV Whakapapa Village 200 Small DOC 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

Western Bay of Plenty District

Zone Code Distribution Zone Population Size Type 69S 69U 69Y 69Z 69ZD 69ZE 69ZF Met Requirements PHRMP Status

ATH003AT Athenree 5,125 Medium Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

KAT003KA Katikati 5,700 Medium Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

OMO003OM Omokoroa Minden 6,450 Medium Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

PON003PO Pongakawa 4,600 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

TEP002TP Te Puke 8,260 Medium Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

TEP029TB Te Puke Bush 200 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

Tauranga City

Zone Code Distribution Zone Population Size Type 69S 69U 69Y 69Z 69ZD 69ZE 69ZF Met Requirements PHRMP Status

TAU004MP Mt Maunganui - Papamoa 52,000 Large Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

TAU004TB Tauranga - Bethlehem 51,783 Large Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

Whakatane District

Zone Code Distribution Zone Population Size Type 69S 69U 69Y 69Z 69ZD 69ZE 69ZF Met Requirements PHRMP Status

MAT005MA Matata 690 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

MUR002MU Murupara 2,060 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

RAN007ED Edgecumbe 1,430 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 🗸 Yes Implementing

RAN007PR Rangitaiki Plains Rural 2,486 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 🗸 Yes Implementing

RAN007TE Te Teko 346 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 🗸 Yes Implementing

RUA003RU Ruatoki 560 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

RUA008RU Ruatahuna Village 300 Small Private Other 🗸 🗸 🞩 NR 🗸 🗸 n/a No Redrafting

TAN001TA Taneatua 790 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

TEM004TE Te Mahoe 120 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

WAI017WA Waimana 160 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

WHA005OH Ohope 6,000 Medium Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

WHA005WH Whakatane 15,020 Large Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

Kawerau District

Zone Code Distribution Zone Population Size Type 69S 69U 69Y 69Z 69ZD 69ZE 69ZF Met Requirements PHRMP Status

KAW003KA Kawerau 6,921 Medium Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

KAW003UV Upper Valley Road 800 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 🞩 No Implementing

Opotiki District

Zone Code Distribution Zone Population Size Type 69S 69U 69Y 69Z 69ZD 69ZE 69ZF Met Requirements PHRMP Status

KAI054KA Kaiaio Hapu 160 Small Marae 🞩 🞩 🞩 NR NR 🞩 n/a No Not Planned

KUT003KU Kutarere 300 Small Communal 🗸 🗸 🞩 NR 🗸 🗸 n/a No Not Planned

OMA016OM Omaio 180 Small Private Other 🗸 🞩 🞩 NR NR 🗸 n/a No Not Planned

OPO001HI Hikutaia, Opotiki 654 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

OPO001OP Opotiki Town 3,876 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

PAE005PA Paerata East 112 Small Private Other 🗸 🗸 🞩 NR 🗸 🗸 n/a No Redrafting

TEK004TE Te Kaha 150 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

WHA031WH Whanarua Bay 200 Small Communal 🞩 🗸 🞩 NR 🗸 🗸 n/a No Draft

Rotorua District

Zone Code Distribution Zone Population Size Type 69S 69U 69Y 69Z 69ZD 69ZE 69ZF Met Requirements PHRMP Status

BRU005BR Brunswick 4 110 Small Private Other 🗸 🗸 🞩 NR 🗸 🗸 n/a No Draft

HAM003HA Hamurana 900 Minor Local Authority 🗸 🗸 🗸 🞩 🗸 🗸 n/a No Approved

HAM003KA Kaharoa 800 Minor Local Authority 🗸 🗸 🗸 🞩 🗸 🗸 n/a No Approved

KAI009KA Kaingaroa 400 Small Communal 🞩 🗸 🞩 🗸 🗸 🗸 n/a No Implementing

MAM001MA Mamaku Township 868 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

NGO001NG Ngongotaha Township 4,826 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

REP001RE Reporoa 1,060 Minor Local Authority 🗸 🗸 🗸 🞩 🗸 🗸 n/a No Approved

ROT001OK Okareka 730 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

ROT001RE Rotorua Eastern Suburbs 9,600 Medium Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

ROT002RO Rotoma 340 Small Local Authority 🗸 🗸 🗸 NR 🗸 🗸 n/a Yes Approved

ROT003RO Rotorua City 42,500 Large Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

ROT004RO Rotoiti 880 Minor Local Authority 🗸 🗸 🗸 🞩 🗸 🗸 n/a No Approved

Taupo District

Zone Code Distribution Zone Population Size Type 69S 69U 69Y 69Z 69ZD 69ZE 69ZF Met Requirements PHRMP Status

ACA001AC Acacia Bay 1,512 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 🞩 No Implementing

ACA001MA Mapara Road Rural 869 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

ATI001AV Atiamuri Village 134 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

BON001BO Bonshaw Park 152 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

CEN001RR Rakanui Road 200 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 🞩 No Implementing

HAT001HV Hatepe Village 174 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 🞩 No Implementing

KIN001KI Kinloch Town 1,604 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 🞩 No Implementing

KIN010KI Kinloch Park 140 Small Private Other 🗸 🗸 🞩 NR 🗸 🗸 n/a No Not Started

MAN002MA Mangakino 1,312 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

MOT002MO Motuoapa 739 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 🞩 No Implementing

OMO001OM Omori / Kuratau / Pukawa 1,783 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 🞩 No Implementing

RIV003RI River Rd Reporoa 197 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

TAU001TC Taupo Central & West 17,105 Large Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

TAU001TS Taupo - Taupo South 6,396 Medium Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

TIR002SC Serenity Cove 137 Small Local Authority 🗸 🗸 🞩 🗸 🗸 🗸 n/a No Implementing

TIR002TI Tirohanga 190 Small Local Authority 🞩 🗸 🗸 🗸 🗸 🗸 n/a No Implementing

TUR001TO Tokaanu 360 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

TUR001TU Turangi 3,578 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

WHA010WH Whareroa 313 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

WHA011WH Whakamaru 116 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

Gisborne District

Zone Code Distribution Zone Population Size Type 69S 69U 69Y 69Z 69ZD 69ZE 69ZF Met Requirements PHRMP Status

ENI001MA Mangahauini 130 Small Communal 🗸 🞩 🞩 NR 🗸 🗸 🞩 No Redrafting

GIS001GI Gisborne City 29,600 Large Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

GIS001RU Gisborne Rural 1,000 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

TEK002TE Te Karaka 491 Small Local Authority 🗸 🗸 🗸 NR 🗸 🗸 n/a Yes Redrafting

TEP001TE Te Puia Springs Hosp & Village 300 Small Health 🗸 🗸 🗸 NR 🗸 🗸 n/a Yes Redrafting

WHA004WH Whatatutu 200 Small Local Authority 🗸 🗸 🗸 NR 🗸 🗸 n/a Yes Redrafting

New Plymouth District

Zone Code Distribution Zone Population Size Type 69S 69U 69Y 69Z 69ZD 69ZE 69ZF Met Requirements PHRMP Status

ING001IN Inglewood 3,983 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

NEW002BE Bell Block 4,820 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

NEW002LE Lepperton 200 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

NEW002NE New Plymouth 45,420 Large Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

NEW002UR Urenui/Tikorangi 1,030 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

NEW002WA Waitara 7,602 Medium Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

OAK001OA Oakura 1,625 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

OKA002OK Okato 530 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

Stratford District

Zone Code Distribution Zone Population Size Type 69S 69U 69Y 69Z 69ZD 69ZE 69ZF Met Requirements PHRMP Status

MID001MI Midhirst 200 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

STR001ST Stratford 6,773 Medium Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

South Taranaki District

Zone Code Distribution Zone Population Size Type 69S 69U 69Y 69Z 69ZD 69ZE 69ZF Met Requirements PHRMP Status

COL005PI Pihama 350 Small Private Other 🗸 🗸 🗸 NR 🗸 🗸 n/a Yes Approved

ELT001EL Eltham 1,980 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

HAW003HA Hawera 8,550 Medium Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

HAW003NO Normanby 850 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

HAW003OH Ohawe Beach 210 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

INA001IN Inaha 495 Small Local Authority 🗸 🗸 🗸 NR 🗸 🗸 n/a Yes Draft

OPU001OP Opunake 1,370 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

PAT001PA Patea 1,150 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

RAH001RA Rahotu 115 Small Local Authority 🗸 🗸 🗸 NR 🗸 🗸 n/a Yes Redrafting

Zone Code Distribution Zone Population Size Type 69S 69U 69Y 69Z 69ZD 69ZE 69ZF Met Requirements PHRMP Status

WAI018KA Kaponga 370 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

WAI018MA Manaia 925 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

WAI018RU Waimate West Rural 1,585 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

WAV001WA Waverley 950 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 🗸 Yes Implementing

Wairoa District

Zone Code Distribution Zone Population Size Type 69S 69U 69Y 69Z 69ZD 69ZE 69ZF Met Requirements PHRMP Status

RAU006RA Raupunga 250 Small Communal 🞩 🗸 🞩 NR NR 🞩 n/a No Redrafting

TUA005TU Tuai 300 Small Local Authority 🗸 🞩 🗸 🗸 🗸 🗸 n/a No Implementing

WAI006FR Frasertown 350 Small Local Authority 🗸 🞩 🗸 🗸 🗸 🗸 n/a No Implementing

WAI006WA Wairoa 4,300 Minor Local Authority 🗸 🞩 🗸 🗸 🗸 🗸 n/a No Implementing

Napier City

Zone Code Distribution Zone Population Size Type 69S 69U 69Y 69Z 69ZD 69ZE 69ZF Met Requirements PHRMP Status

BAY001BA Bayview Township 894 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

NAP001NA Napier City 25,800 Large Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 🗸 Yes Implementing

NAP001TA Taradale 24,110 Large Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 🗸 Yes Implementing

Hastings District

Zone Code Distribution Zone Population Size Type 69S 69U 69Y 69Z 69ZD 69ZE 69ZF Met Requirements PHRMP Status

CLI001AL Allen Lane/Ferry Rd, Clive 198 Small Local Authority 🗸 🗸 🗸 NR 🗸 🗸 n/a Yes Submitted

CLI001VA Valerie St/Tuckers Lane, Clive 362 Small Local Authority 🗸 🗸 🗸 NR 🗸 🗸 n/a Yes Submitted

HAS001BP Bridge Pa 300 Small Local Authority 🗸 🗸 🞩 🗸 🗸 🗸 n/a No Implementing

HAS001EA Hastings East 16,668 Large Local Authority 🗸 🗸 🞩 🗸 🗸 🗸 n/a No Implementing

HAS001FL Flaxmere 12,171 Large Local Authority 🞩 🗸 🞩 🗸 🗸 🗸 🗸 No Implementing

HAS001HN Havelock North 15,370 Large Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 🗸 Yes Implementing

HAS001PA Paki Paki 200 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

HAS001WE Hastings West & Central 20,055 Large Local Authority 🗸 🗸 🞩 🗸 🗸 🗸 n/a No Implementing

HAU002HA Haumoana / Te Awanga 1,900 Minor Local Authority 🗸 🗸 🗸 🞩 🗸 🗸 n/a No Redrafting

OMA008OM Omahu 126 Small Local Authority 🗸 🗸 🗸 NR 🗸 🗸 n/a Yes Draft

PAR025PA Parkhill Farm 288 Small Local Authority 🗸 🗸 🗸 NR 🗸 🗸 🗸 Yes Draft

WAI007WA Waimarama 260 Small Local Authority 🗸 🗸 🗸 NR 🗸 🗸 🗸 Yes Submitted

WHA029WH Whakatu 337 Small Local Authority 🗸 🗸 🗸 NR 🗸 🗸 n/a Yes Submitted

WHI007WH Whirinaki, Hawkes Bay 750 Minor Local Authority 🗸 🗸 🗸 🞩 🗸 🗸 n/a No Redrafting

Central Hawkes Bay District

Zone Code Distribution Zone Population Size Type 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 🗸 🞩 🗸 NR 🗸 🗸 n/a No Draft

TAK001TA Takapau Township 570 Minor Local Authority 🗸 🞩 🞩 🗸 🗸 🗸 n/a No Implementing

WAI004HI Waipukurau High Pressure Zone 3,000 Minor Local Authority 🗸 🞩 🗸 🗸 🗸 🗸 n/a No Implementing

WAI004LO Waipukurau Low Pressure Zone 666 Minor Local Authority 🗸 🞩 🗸 🗸 🗸 🗸 n/a No Implementing

WAI005OT Otane Township 546 Minor Local Authority 🗸 🞩 🗸 🗸 🗸 🗸 n/a No Implementing

WAI005WA Waipawa Township 1,809 Minor Local Authority 🗸 🞩 🗸 🗸 🗸 🗸 n/a No Implementing

Chatham Islands

Zone Code Distribution Zone Population Size Type 69S 69U 69Y 69Z 69ZD 69ZE 69ZF Met Requirements PHRMP Status

WAI158WA Waitangi, Chatham Is. 125 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

Wanganui District

Zone Code Distribution Zone Population Size Type 69S 69U 69Y 69Z 69ZD 69ZE 69ZF Met Requirements PHRMP Status

BRU001BR Brunswick-Westmere 450 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

FOR001FO Fordell Township 350 Small Local Authority 🗸 🗸 🗸 NR 🗸 🗸 n/a Yes Draft

MAX001MA Maxwell 200 Small Local Authority 🗸 🗸 🗸 NR 🗸 🗸 n/a Yes Draft

MOW001MO Mowhanau Beach 300 Small Local Authority 🗸 🗸 🗸 NR 🗸 🗸 n/a Yes Draft

WAN001AR Aramoho 5,000 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

WAN001EA Wanganui East 5,000 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

WAN001WA Wanganui City 29,000 Large Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 🗸 Yes Implementing

Rangitikei District

Zone Code Distribution Zone Population Size Type 69S 69U 69Y 69Z 69ZD 69ZE 69ZF Met Requirements PHRMP Status

BUL001BU Bulls Township 1,800 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

HUN001HU Hunterville Township 400 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

MAN001MA Mangaweka Township 180 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

MAR001MA Marton Township 3,750 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

RAT001RA Ratana Township 450 Small Local Authority 🗸 🗸 🗸 NR 🗸 🗸 n/a Yes Redrafting

TAI001TA Taihape Township 2,200 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

Manawatu District

Zone Code Distribution Zone Population Size Type 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 🗸 🗸 🗸 NR 🗸 🗸 n/a Yes Redrafting

HIM001HI Himatangi Beach 438 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

KIW003KI Kimbolton 150 Small Communal 🗸 🗸 🞩 NR 🗸 🗸 n/a No Redrafting

OHA002OH Ohakea 800 Minor Government Other 🗸 🞩 🗸 🗸 🗸 🗸 n/a No Implementing

RON002RO Rongotea 300 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

SAN001SA Sanson 492 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

WAI022WA Waituna West 200 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

Palmerston North City

Zone Code Distribution Zone Population Size Type 69S 69U 69Y 69Z 69ZD 69ZE 69ZF Met Requirements PHRMP Status

ASH001AS Ashhurst 2,800 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

BUN001BU Bunnythorpe 450 Small Local Authority 🗸 🗸 🗸 NR 🗸 🗸 n/a Yes Approved

LIN001LI Linton 4,500 Minor Government Other 🗸 🞩 🗸 🞩 🗸 🗸 n/a No Redrafting

LON001LO Longburn 240 Small Local Authority 🗸 🗸 🗸 NR 🗸 🗸 n/a Yes Draft

LON002SC Longburn Adventist College 300 Small Education Public 🞩 🞩 🞩 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 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

PAL001AO Aokautere 2,739 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

PAL001FW Fitzherbert West 450 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

PAL001KG Kelvin Grove 5,784 Medium Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

PAL001PC Palmerston North City 58,680 Large Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

Tararua District

Zone Code Distribution Zone Population Size Type 69S 69U 69Y 69Z 69ZD 69ZE 69ZF Met Requirements PHRMP Status

DAN001DA Dannevirke 6,000 Medium Local Authority 🗸 🗸 🗸 🞩 🗸 🗸 🞩 No Approved

EKE001EK Eketahuna 456 Small Local Authority 🗸 🗸 🗸 NR 🗸 🗸 n/a Yes Approved

NOR002NO Norsewood 200 Small Local Authority 🗸 🗸 🗸 NR 🗸 🗸 n/a Yes Approved

PAH001PA Pahiatua 2,700 Minor Local Authority 🗸 🗸 🗸 🞩 🗸 🗸 n/a No Approved

PLE002PL Pleckville 200 Small Communal 🞩 🞩 🞩 NR NR 🞩 n/a No Not Started

PON001PO Pongaroa 200 Small Communal 🗸 🗸 🗸 NR 🗸 🗸 n/a Yes Approved

WOO001WO Woodville 1,500 Minor Local Authority 🗸 🗸 🞩 🞩 🗸 🗸 n/a No Approved

Horowhenua District

Zone Code Distribution Zone Population Size Type 69S 69U 69Y 69Z 69ZD 69ZE 69ZF Met Requirements PHRMP Status

FOX002FO Foxton 2,700 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

FOX003FO Foxton Beach 1,900 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

LEV001LE Levin 20,000 Large Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

SHA001SH Shannon 1,436 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

TOK002TO Tokomaru 550 Minor Local Authority 🗸 🗸 🞩 🗸 🗸 🗸 n/a No Implementing

Kapiti Coast District

Zone Code Distribution Zone Population Size Type 69S 69U 69Y 69Z 69ZD 69ZE 69ZF Met Requirements PHRMP Status

HAU003HA Hautere 700 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

OTA003OT Otaki 4,700 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

OTA003WA Waitohu 1,000 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

PAE002PA Paekakariki 1,665 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

WAI010PA Paraparaumu/Raumati 25,200 Large Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

WAI010WA Waikanae 10,600 Large Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

Upper Hutt City

Zone Code Distribution Zone Population Size Type 69S 69U 69Y 69Z 69ZD 69ZE 69ZF Met Requirements PHRMP Status

UPP001PI Pinehaven 3,090 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

UPP001UP Upper Hutt Central 31,560 Large Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

The Hutt City

Zone Code Distribution Zone Population Size Type 69S 69U 69Y 69Z 69ZD 69ZE 69ZF Met Requirements PHRMP Status

LOW001EA Eastbourne 4,704 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

LOW001HA Haywards 372 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

LOW001LO Lower Hutt 56,103 Large Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 🗸 Yes Implementing

LOW001PE Petone 8,034 Medium Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

LOW001ST Stokes Valley 9,198 Medium Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

LOW001WA Wainuiomata 17,058 Large Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 🗸 Yes Implementing

Porirua City

Zone Code Distribution Zone Population Size Type 69S 69U 69Y 69Z 69ZD 69ZE 69ZF Met Requirements PHRMP Status

JUD001JU Judgeford 200 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

POR001MA Mana/Plimmerton/Paremata 5,184 Medium Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

POR001PH Porirua High Level 15,398 Large Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

POR001PL Porirua Low Level 16,924 Large Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

POR001PU Pukerua Bay 1,656 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

POR001WH Whitby 7,282 Medium Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

Wellington City

Zone Code Distribution Zone Population Size Type 69S 69U 69Y 69Z 69ZD 69ZE 69ZF Met Requirements PHRMP Status

WEL002BR Brooklyn 9,765 Medium Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

WEL002CH Churton 4,446 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

WEL002EA Eastern Wellington 16,815 Large Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

WEL002JO Johnsonville 18,357 Large Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

WEL002KA Karori 13,146 Large Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

WEL002KE Kelburn 9,924 Medium Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

WEL002ON Onslow 11,883 Large Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

WEL002SO Southern Wellington 30,024 Large Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

WEL002TA Tawa 12,903 Large Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

WEL002WA Wadestown 6,789 Medium Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

WEL002WE Wellington Central 31,074 Large Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

Masterton District

Zone Code Distribution Zone Population Size Type 69S 69U 69Y 69Z 69ZD 69ZE 69ZF Met Requirements PHRMP Status

FER001FE Fernridge 320 Small Communal 🗸 🗸 🗸 🗸 🗸 🗸 🗸 Yes Implementing

MAS002MA Masterton 19,000 Large Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 🗸 Yes Implementing

OPA001OP Opaki 680 Minor Communal 🗸 🗸 🗸 🞩 🗸 🗸 n/a No Approved

TIN002TI Tinui 120 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

WAI058WA Wainuioru Rural Water 184 Small Communal 🞩 🗸 🞩 NR 🗸 🗸 n/a No Draft

Carterton District

Zone Code Distribution Zone Population Size Type 69S 69U 69Y 69Z 69ZD 69ZE 69ZF Met Requirements PHRMP Status

CAR001CA Carterton 4,200 Minor Local Authority 🗸 🗸 🗸 🞩 🗸 🗸 n/a No Approved

South Wairarapa District

Zone Code Distribution Zone Population Size Type 69S 69U 69Y 69Z 69ZD 69ZE 69ZF Met Requirements PHRMP Status

FEA001FE Featherston 2,580 Minor Local Authority 🗸 🗸 🞩 🗸 🗸 🗸 n/a No Implementing

GRE002GR Greytown 1,952 Minor Local Authority 🗸 🗸 🞩 🗸 🗸 🗸 n/a No Implementing

MAR003MA Martinborough 1,505 Minor Local Authority 🗸 🗸 🞩 🗸 🗸 🗸 n/a No Implementing

Nelson City

Zone Code Distribution Zone Population Size Type 69S 69U 69Y 69Z 69ZD 69ZE 69ZF Met Requirements PHRMP Status

GLE013GL Glenwood 150 Small Communal 🗸 🗸 🗸 🗸 🗸 🗸 🞩 No Implementing

NEL001NL Nelson 49,740 Large Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 🗸 Yes Implementing

Tasman District

Zone Code Distribution Zone Population Size Type 69S 69U 69Y 69Z 69ZD 69ZE 69ZF Met Requirements PHRMP Status

APP002AP Appleby Hills 250 Small Communal 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

CEN002CT Central Takaka 125 Small Communal 🗸 🞩 🞩 NR NR 🗸 n/a No Draft

COL007CO Collingwood 450 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

DOV001DO Dovedale Rural 450 Small Local Authority 🗸 🗸 🗸 NR 🗸 🗸 🗸 Yes Draft

EIG001EI Eighty Eight Valley Rural 200 Small Local Authority 🗸 🗸 🗸 NR 🗸 🗸 n/a Yes Draft

HOP001HO Hope/Brightwater 2,730 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

KAI015KA Kaiteriteri 300 Small Local Authority 🗸 🗸 🗸 NR 🗸 🗸 n/a Yes Draft

LAK013LA Lake Rotoiti 200 Small DOC 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

LOW006LO Lower Moutere Scheme 1 450 Small Communal 🗸 🞩 🞩 NR NR 🗸 n/a No Draft

MAP003MR Mapua Rise 192 Small Local Authority 🗸 🗸 🗸 NR 🗸 🗸 n/a Yes Draft

MOT001MO Motueka 1,200 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

MUR001MU Murchison 490 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

POH001PV Pohara 150 Small Local Authority 🗸 🗸 🗸 NR 🗸 🗸 n/a Yes Draft

RED001R1 Redwood Valley 1 180 Small Local Authority 🗸 🗸 🗸 NR 🗸 🗸 n/a Yes Draft

RED003R2 Redwood Valley 2 370 Small Local Authority 🗸 🗸 🗸 NR 🗸 🗸 n/a Yes Draft

RIC002RI Richmond 10,500 Large Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 🗸 Yes Implementing

RIC002WI Waimea Industrial 1,800 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

TAP003TA Tapawera 400 Small Local Authority 🗸 🗸 🗸 NR 🗸 🗸 n/a Yes Redrafting

WAI023MR Mapua Ruby Bay 2,500 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

WAK001WA Wakefield 1,500 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

Marlborough District

Zone Code Distribution Zone Population Size Type 69S 69U 69Y 69Z 69ZD 69ZE 69ZF Met Requirements PHRMP Status

BLE001BL Blenheim 24,028 Large Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 🗸 Yes Implementing

HAV002HA Havelock 618 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

PIC001PI Picton/Waikawa 4,185 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

RAR001RA Rarangi 160 Small Communal 🗸 🗸 🗸 NR 🗸 🗸 n/a Yes Draft

REN001RE Renwick 1,884 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

RIV002RI Riverlands Industrial Estate 740 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

SED001DA Dashwood Rural 333 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

SED001SE Seddon, Awatere Valley 1,000 Minor Local Authority 🗸 🗸 🞩 🗸 🗸 🗸 n/a No Implementing

WAI034WA Wairau Valley 160 Small Local Authority 🗸 🗸 🗸 NR 🗸 🗸 n/a Yes Draft

WAR003WA Ward 250 Small Communal 🗸 🗸 🞩 NR 🗸 🗸 n/a No Not Started

WOO004WO Woodbourne RNZAF Base 1,500 Minor Government Other 🗸 🗸 🗸 🞩 🗸 🗸 n/a No Redrafting

Buller District

Zone Code Distribution Zone Population Size Type 69S 69U 69Y 69Z 69ZD 69ZE 69ZF Met Requirements PHRMP Status

HEC001HE Hector 300 Small Local Authority 🗸 🗸 🞩 🗸 🗸 🗸 n/a No Implementing

HEC001NG Ngakawau 135 Small Local Authority 🗸 🗸 🞩 🗸 🗸 🗸 n/a No Implementing

LIT003LI Little Wanganui 150 Small Local Authority 🗸 🗸 🞩 NR 🗸 🗸 n/a No Approved

PUN001PU Punakaiki 230 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 🗸 Yes Implementing

REE001RE Reefton 951 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

WAI001WA Waimangaroa 300 Small Local Authority 🗸 🗸 🞩 🗸 🗸 🗸 n/a No Implementing

WES001CA Carters Beach 357 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

WES001WE Westport 4,617 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

Grey District

Zone Code Distribution Zone Population Size Type 69S 69U 69Y 69Z 69ZD 69ZE 69ZF Met Requirements PHRMP Status

BLA001BL Blackball 280 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

GRE001CO Cobden 1,650 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

GRE001DO Dobson 430 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

GRE001GM Greymouth 5,950 Medium Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 🗸 Yes Implementing

GRE001TA Taylorville 190 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

RUN001RU Runanga 1,190 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 🗸 Yes Implementing

Westland District

Zone Code Distribution Zone Population Size Type 69S 69U 69Y 69Z 69ZD 69ZE 69ZF Met Requirements PHRMP Status

FOX001FO Fox Glacier 252 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

FRA001FR Franz Josef 2,611 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

HAR001HA Harihari 348 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 🗸 Yes Implementing

HOK001HO Hokitika 3,447 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

KUM001KU Kumara 318 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 🗸 Yes Implementing

ROS001RO Ross Township 291 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

WHA002WH Whataroa 405 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

Kaikoura District

Zone Code Distribution Zone Population Size Type 69S 69U 69Y 69Z 69ZD 69ZE 69ZF Met Requirements PHRMP Status

FER003FE Fernleigh Rural Water Supply 150 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

KAI004KU Kaikoura Urban 2,500 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

KAI021EA Kaikoura East Coast Rural 150 Small Local Authority 🗸 🗸 🞩 🗸 🗸 🗸 n/a No Implementing

KIN003KI Kincaid Rural Water Supply 120 Small Local Authority 🗸 🗸 🗸 NR 🗸 🗸 n/a Yes Redrafting

OAR001OA Oaro 400 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

OCE002OC Ocean Ridge 500 Small Local Authority 🗸 🗸 🗸 NR 🗸 🗸 n/a Yes Draft

Hurunui District

Zone Code Distribution Zone Population Size Type 69S 69U 69Y 69Z 69ZD 69ZE 69ZF Met Requirements PHRMP Status

AMB001AT Amberley Town 1,578 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 🗸 Yes Implementing

AMB001BE Amberley Beach 343 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 🞩 No Implementing

AMU001RO Rotherham Township and Rural 699 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 🗸 Yes Implementing

ASH002AS Ashley/Sefton/Loburn 4,527 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

ASH002LB Leithfield Beach 402 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

ASH002LE Leithfield 903 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

BAL003BA Balmoral Rural 273 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

BRO016BR Broomfield 565 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

CHE001CT Cheviot Town 795 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

CUL001CU Culverden 366 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

HAN001HA Hanmer Town 948 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

HAW001HW Hawarden/Waikari 753 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

KAI039KA Kaiwara 129 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

LOW010LW Lower Waitohi 315 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

MOT016MO Motunau, Greta, Scargill 681 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

Zone Code Distribution Zone Population Size Type 69S 69U 69Y 69Z 69ZD 69ZE 69ZF Met Requirements PHRMP Status

PAR009PA Parnassus Rural 210 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

WAI026WT Waiau Township 255 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

WAI066UP Waitohi Upper, Waipara 513 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 🞩 No Implementing

WAI067WA Waiau Rural 435 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

WAI068WA Waipara Township 285 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

Waimakariri District

Zone Code Distribution Zone Population Size Type 69S 69U 69Y 69Z 69ZD 69ZE 69ZF Met Requirements PHRMP Status

CUS001CU Cust 343 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

FER002FE Fernside 210 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

GAR001GA Garrymere 105 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

KAI003KA Kaiapoi 12,168 Large Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

MAN009MA Mandeville 2,023 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

OHO001OH Ohoka 218 Small Local Authority 🗸 🗸 🗸 NR 🗸 🗸 n/a Yes Approved

OXF101OX Oxford Rural No1 775 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

OXF102OR Oxford Rural No2 773 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

OXF103OX Oxford Urban 2,173 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

PEG001PE Pegasus 4,005 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

POY001PO Poyntz Road 205 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

RAN001RA Rangiora 17,130 Large Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

WAI011KI Waikuku Beach 1,150 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

WES004SU Summerhill 428 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

WES004WE West Eyreton 168 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

WOO002WO Woodend Town 2,678 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

Christchurch City

Zone Code Distribution Zone Population Size Type 69S 69U 69Y 69Z 69ZD 69ZE 69ZF Met Requirements PHRMP Status

AKA001AK Akaroa 1,350 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

BIR001BI Birdlings Flat 150 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

BRO012BR Brooklands / Kainga 1,600 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

CHR001CE Central Christchurch 185,000 Large Local Authority 🞩 🗸 🗸 🗸 🗸 🗸 🗸 No Implementing

CHR001PA Parklands 16,000 Large Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

CHR001RI Riccarton 10,000 Medium Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

CHR001RP Rocky Point 2,500 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

CHR001WE West Christchurch 42,000 Large Local Authority 🞩 🗸 🗸 🗸 🗸 🗸 n/a No Implementing

CHR002CI Christchurch Int. Airport 6,000 Medium Private Other 🗸 🗸 🞩 🞩 🗸 🗸 n/a No Approved

DUV001DU Duvauchelle 250 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

LIT001LI Little River 240 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

LYT001DI Diamond Harbour 1,200 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

Zone Code Distribution Zone Population Size Type 69S 69U 69Y 69Z 69ZD 69ZE 69ZF Met Requirements PHRMP Status

LYT001GO Governors Bay 750 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 🗸 Yes Implementing

LYT001LY Lyttelton 2,500 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

NOR012CH Northwest Christchurch 80,000 Large Local Authority 🞩 🗸 🗸 🗸 🗸 🗸 n/a No Implementing

OKA010OK Okains Bay 105 Small Communal 🞩 🞩 🞩 NR NR 🞩 n/a No Draft

TAK002TA Takamatua 150 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

WAI138WA Wainui 200 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

WAT006WB Waterloo Business Pk, Stage 1 400 Small Private Other 🞩 🞩 🞩 🗸 NR 🞩 n/a No Implementing

Selwyn District

Zone Code Distribution Zone Population Size Type 69S 69U 69Y 69Z 69ZD 69ZE 69ZF Met Requirements PHRMP Status

ART002AR Arthurs Pass 350 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

BUR001BU Burnham Camp 2,000 Minor Government Other 🗸 🗸 🗸 🗸 🗸 🗸 🗸 Yes Implementing

CAS003CA Castle Hill 299 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

CLA005CL Claremont 170 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

DAR001DA Darfield 3,520 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

DUN008DU Dunsandel & Sherwood Estate 480 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

EDE002ED Edendale, Sandy Knolls 180 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

JOH001JO Johnson Rd, West Melton 160 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

KIR001KI Kirwee 1,207 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

LAK007LA Lake Coleridge 148 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

LEE001LE Leeston 2,350 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

LIN002LI Lincoln 5,400 Medium Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

MAL001DA Dalethorpe 183 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

MAL001MA Malvern Hills, Hartleys Rd 1,409 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 🗸 Yes Implementing

PRE001PR Prebbleton 3,906 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

RAK003RA Rakaia Huts 313 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

ROL001RO Rolleston 15,047 Large Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 🗸 Yes Implementing

SEL001AC Acheron 240 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

SEL001HO Hororata 920 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 🗸 Yes Implementing

SHE004SH Sheffield/Waddington 585 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 🗸 Yes Implementing

SOU001SO Southbridge 992 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

SPR002SP Springfield 520 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 🗸 Yes Implementing

SPR003SP Springston 510 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

TAI009TA Tai Tapu 606 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

WES010WE West Melton 1,800 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

Ashburton District

Zone Code Distribution Zone Population Size Type 69S 69U 69Y 69Z 69ZD 69ZE 69ZF Met Requirements PHRMP Status

ASH003AS Ashburton 18,500 Large Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

CHE002CH Chertsey 230 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

FAI001FA Fairton 210 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

HAK001HH Hakatere Upper 110 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

HIG002HI Highbank Society Water Supply 220 Small Communal 🗸 🗸 🞩 🗸 🗸 🗸 n/a No Implementing

HIN001HI Hinds 340 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

LYN002LY Lyndhurst 250 Small Private Other 🗸 🗸 🞩 🗸 🗸 🗸 n/a No Implementing

MAY001MA Mayfield 160 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

MET001ME Methven 1,700 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

MET002MS Methven/Springfield 178 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

MTS001MS Mt Somers Township 260 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

RAK001RA Rakaia Township 1,100 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

Timaru District

Zone Code Distribution Zone Population Size Type 69S 69U 69Y 69Z 69ZD 69ZE 69ZF Met Requirements PHRMP Status

ARO002AO Arowhenua 215 Small Private Other 🗸 🗸 🞩 NR 🗸 🗸 n/a No Draft

DOW001ST Sutherlands/Taiko 3,500 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

DOW001WR Waimate Rural 350 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 🗸 Yes Implementing

DOW001WT Waitohi/Totara Valley 700 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

GER001GE Geraldine 2,121 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 🗸 Yes Implementing

HAD001HA Hadlow 312 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

PAR002PA Pareora 450 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

PEE001PF Peel Forest 130 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

PLE001PP Pleasant Point 1,200 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

SEA001SE Seadown 750 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

STA004ST St Andrews 280 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

TEM001OR Orari 180 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

TEM001TE Temuka 3,984 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

TEM001WI Winchester 260 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

TEM002GD Geraldine Downs 450 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

TEM002GF Geraldine Flat 200 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 🗸 Yes Implementing

TEM002TE Te Moana 1,000 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

TIM001GL Gleniti 3,400 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

TIM001TI Timaru 23,432 Large Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

Mackenzie District

Zone Code Distribution Zone Population Size Type 69S 69U 69Y 69Z 69ZD 69ZE 69ZF Met Requirements PHRMP Status

ALB001AL Albury Rural 125 Small Communal 🗸 🗸 🞩 NR 🗸 🗸 🞩 No Draft

ALL001AL Allandale 150 Small Local Authority 🗸 🗸 🗸 NR 🗸 🗸 n/a Yes Not Started

FAI002FA Fairlie 850 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 🞩 No Implementing

FAI002KI Kimbell 150 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

MTC001MT Mt Cook 350 Small DOC 🗸 🗸 🗸 🗸 🗸 🗸 🗸 Yes Implementing

TEK005TE Tekapo 500 Small Local Authority 🗸 🗸 🗸 NR 🗸 🗸 🞩 No Redrafting

TWI001TW Twizel 1,300 Minor Local Authority 🗸 🗸 🞩 🗸 🗸 🗸 n/a No Implementing

Waimate District

Zone Code Distribution Zone Population Size Type 69S 69U 69Y 69Z 69ZD 69ZE 69ZF Met Requirements PHRMP Status

CAN001CM Cannington/Motukaika 120 Small Local Authority 🗸 🗸 🗸 NR 🗸 🗸 🗸 Yes Redrafting

HAK002HA Hakataramea 165 Small Communal 🗸 🗸 🗸 NR 🗸 🗸 🞩 No Draft

HOO001HW Hook/Waituna 1,350 Minor Local Authority 🗸 🗸 🞩 🗸 🗸 🗸 🗸 No Implementing

LOW002LO Lower Waihao 600 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

OTA005OM Otaio/Makikihi 430 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 🗸 Yes Implementing

WAI031WA Waihaorunga 141 Small Local Authority 🗸 🗸 🗸 NR 🗸 🗸 n/a Yes Redrafting

WAI032WA Waikakahi 360 Small Local Authority 🗸 🗸 🗸 NR 🗸 🗸 n/a Yes Redrafting

WAI033WA Waimate 3,000 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

Waitaki District

Zone Code Distribution Zone Population Size Type 69S 69U 69Y 69Z 69ZD 69ZE 69ZF Met Requirements PHRMP Status

AWA001AW Awamoko 399 Small Local Authority 🗸 🗸 🗸 NR 🗸 🗸 n/a Yes Not Started

HAM002HA Hampden 237 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

HAM002MO Moeraki 264 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

HER001HE Herbert 670 Minor Local Authority 🗸 🗸 🞩 🗸 🗸 🗸 n/a No Implementing

KAU001KA Kauru Hill 197 Small Local Authority 🗸 🗸 🗸 NR 🗸 🗸 n/a Yes Draft

KUR001KU Kurow Township 330 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

LOW004LO Lower Waitaki 778 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

MAH001MA Maheno 152 Small Communal 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

OAM001AR Oamaru, Ardgowan 252 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

OAM001CE Oamaru, Central 4,622 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

OAM001KA Oamaru, Kakanui 520 Minor Local Authority 🗸 🗸 🞩 🗸 🗸 🗸 n/a No Implementing

OAM001NE Oamaru, North End 2,234 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

OAM001RR Oamaru, Reservoir Road 768 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

Zone Code Distribution Zone Population Size Type 69S 69U 69Y 69Z 69ZD 69ZE 69ZF Met Requirements PHRMP Status

OAM001SH Oamaru, South Hill 3,933 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

OAM001WE Oamaru, Weston - Enfield 2,061 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

OMA001OM Omarama Town 270 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

OTE001OT Otematata Hydro Village 195 Small Local Authority 🗸 🗸 🗸 NR 🗸 🗸 🗸 Yes Draft

TOK003TL Tokarahi/Livingstone 573 Minor Local Authority 🗸 🗸 🗸 🞩 🗸 🗸 n/a No Not Started

WAI215DU Waihemo, Dunback Rural 229 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

WAI215GO Waihemo, Goodwood Rural 270 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

WAI215PA Waihemo, Palmerston Town 858 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

WIN004WI Windsor 137 Small Local Authority 🗸 🗸 🗸 NR 🗸 🗸 n/a Yes Not Started

Central Otago District

Zone Code Distribution Zone Population Size Type 69S 69U 69Y 69Z 69ZD 69ZE 69ZF Met Requirements PHRMP Status

ALE001AL Alexandra 5,000 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

ALE002BE Bennys 104 Small Communal 🞩 🞩 🞩 NR NR 🞩 n/a No Not Planned

CLY001CL Clyde Township 1,000 Minor Local Authority 🗸 🗸 🗸 🞩 🗸 🗸 n/a No Approved

CRO001BA Bannockburn 400 Small Local Authority 🗸 🗸 🗸 NR 🗸 🗸 n/a Yes Approved

CRO001CR Cromwell 4,000 Minor Local Authority 🗸 🗸 🗸 🞩 🗸 🗸 n/a No Approved

EAR002EA Earnscleugh Water Scheme 120 Small Private Other 🗸 🗸 🞩 NR 🗸 🗸 n/a No Draft

LAS003LA Last Chance 120 Small Communal 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

MIL006MI Millers Flat 210 Small Communal 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

NAS001NA Naseby 150 Small Local Authority 🗸 🗸 🗸 NR 🗸 🗸 n/a Yes Approved

OMA005OM Omakau 350 Small Local Authority 🗸 🗸 🗸 NR 🗸 🗸 n/a Yes Approved

PAT003PA Patearoa 260 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

PIS001PI Pisa Moorings 157 Small Private Other 🗸 🗸 🗸 NR 🗸 🗸 n/a Yes Draft

PIS002PI Pisa Village 250 Small Local Authority 🗸 🗸 🗸 NR 🗸 🗸 n/a Yes Approved

RAN002RA Ranfurly 750 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

ROX001RO Roxburgh 700 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

Dunedin City

Zone Code Distribution Zone Population Size Type 69S 69U 69Y 69Z 69ZD 69ZE 69ZF Met Requirements PHRMP Status

DUN001BO Booth Road, Dunedin 37,036 Large Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

DUN001GI Green Island 10,199 Large Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

DUN001LL Low Levels/Peninsula, Dunedin 37,726 Large Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

DUN001MH Maori Hill 13,785 Large Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

DUN001PC Port Chalmers 2,469 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

DUN001WI Wingatui, Dunedin 1,124 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

MOS001EA East Taieri 300 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

MOS001KI Kinmont 341 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

Zone Code Distribution Zone Population Size Type 69S 69U 69Y 69Z 69ZD 69ZE 69ZF Met Requirements PHRMP Status

MOS001QH Quarry Hill 9,535 Medium Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

OUT001OU Outram Township 750 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

WAI015WK Waikouaiti/Karitane/Seacliff 1,642 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

WES002WE West Taieri Scheme 450 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

Clutha District

Zone Code Distribution Zone Population Size Type 69S 69U 69Y 69Z 69ZD 69ZE 69ZF Met Requirements PHRMP Status

BAL001BA Balclutha 3,918 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

CLY005CL Clinton Township 285 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

CLY005RU Clydevale-Pomahaka Rural 493 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

GLE001GK Glenkenich Rural 705 Minor Local Authority 🗸 🗸 🞩 🗸 🗸 🗸 🗸 No Implementing

KAI005KA Kaitangata Township 762 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

LAW001LT Lawrence 417 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

MIL001MT Milton 1,929 Minor Local Authority 🗸 🗸 🞩 🗸 🗸 🗸 n/a No Implementing

MIL001OC Otago Corrections Facility 600 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

MOA001MF Moa Flat Rural 534 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

NOR003NB North Bruce Rural 658 Minor Local Authority 🗸 🗸 🞩 🗸 🗸 🗸 n/a No Implementing

NOR003WT Waihola Township 270 Small Local Authority 🗸 🗸 🞩 🗸 🗸 🗸 🗸 No Implementing

OWA001OW Owaka 303 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

RIC009KA Kaka Point Township 222 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

RIC009NO Richardson Rural North 312 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

RIC009SO Richardson Rural South 469 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

STI002SB South Bruce Rural 434 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

STI002ST Stirling Township 303 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

TAP001TA Tapanui 726 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 🞩 No Implementing

TUA004TW Tuapeka West Rural 283 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

WAI016B1 Balmoral 1 Rural 247 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

WAI016B2 Balmoral 2 Rural 399 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

WAI016TE Tuapeka East Rural 276 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

Queenstown Lakes District

Zone Code Distribution Zone Population Size Type 69S 69U 69Y 69Z 69ZD 69ZE 69ZF Met Requirements PHRMP Status

ARR001AR Arrowtown 3,587 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

ART001AP Arthurs Point 1,248 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

CAM008CA Camphill Estate 132 Small Communal 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

GLE003GL Glenorchy 1,232 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

HAW002HA Hawea 2,444 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 🗸 Yes Implementing

JAC002JA Jacks Point 600 Minor Private Other 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

LAK003ES Lake Hayes Est & Shotover Ctry 799 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

LAK003LH Lake Hayes 1,697 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

LUG001LU Luggate 855 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

QUE001KE Kelvin Heights 4,400 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

QUE001QU Queenstown 15,600 Large Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

WAN002AL Albert Town 506 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

WAN002WA Wanaka 9,608 Medium Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

WAN007WA Wanaka Airport 150 Small Local Authority 🗸 🗸 🗸 NR 🗸 🗸 n/a Yes Draft

Gore District

Zone Code Distribution Zone Population Size Type 69S 69U 69Y 69Z 69ZD 69ZE 69ZF Met Requirements PHRMP Status

GOR001GO Gore 7,480 Medium Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 🗸 Yes Implementing

MAT002MA Mataura 1,790 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 🗸 Yes Implementing

OTA004OT Otama 300 Small Local Authority 🗸 🗸 🗸 NR 🗸 🗸 n/a Yes Not Started

Invercargill City

Zone Code Distribution Zone Population Size Type 69S 69U 69Y 69Z 69ZD 69ZE 69ZF Met Requirements PHRMP Status

INV001BL Bluff 2,956 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

INV001IN Invercargill City 47,500 Large Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

Southland District

Zone Code Distribution Zone Population Size Type 69S 69U 69Y 69Z 69ZD 69ZE 69ZF Met Requirements PHRMP Status

EDE001ED Edendale 558 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

EDE001WY Wyndham 594 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

LUM001BA Lumsden/Balfour Rural 608 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

LUM001LU Lumsden 453 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

MAN006MA Manapouri 228 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

MIL007MI Milford Sound 350 Small Private Other 🗸 🗸 🞩 NR 🗸 🗸 🞩 No Draft

MOS002MO Mossburn 201 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

OHA009NI Nightcaps 306 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

OHA009OH Ohai 303 Small Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

OTA001OT Otautau 798 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

RIV001RI Riverton 1,506 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

TEA002TE Te Anau 2,628 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

TUA001TU Tuatapere 561 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

WIN001WI Winton 2,436 Minor Local Authority 🗸 🗸 🗸 🗸 🗸 🗸 n/a Yes Implementing

Appendix 5. Plant and source characteristics

**KEY**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **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 |
| ClO2 | 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 ClO2 Ozone UV Any Disinfection Sources Secure Disinfection/Secure

BRE001BR Bream Bay 5,900 Medium 🞩 🞩 All - - All All Surface - All

HUK001HU Hukerenui School 150 Small 🗸 🗸 - - - All All Groundwater - All

MAU002MA Maungakaramea 200 Small 🗸 🗸 All - - All All Groundwater - All

WHA007HE Whangarei Heads 7,200 Medium 🗸 🗸 All - - All All Mixed - All

WHA007HI Hikurangi 1,330 Minor 🗸 🗸 All - - All All Mixed - All

WHA007WH Whangarei 48,000 Large 🗸 🗸 All - - All All Mixed - All

Far North District

Zone Code Distribution Zone Population Size Bacteria Protozoa Chlorination ClO2 Ozone UV Any Disinfection Sources Secure Disinfection/Secure

CAR011CA Carrington Estate 120 Small 🗸 🗸 - - - All All Surface - All

DOU004EC East Coast Bays 2,000 Minor 🗸 🞩 Some - - Some All Mixed - All

KAI006KA Kaikohe 4,000 Minor 🗸 🗸 All - - All All Mixed - All

KAI006NG Ngawha Springs 200 Small 🗸 🗸 All - - All All Mixed - All

KAI008KA Kaitaia 5,400 Medium 🗸 🗸 All - - All All Surface - All

KAW002KA Kawakawa 1,500 Minor 🗸 🗸 All - - - All Groundwater - All

KAW002MO Moerewa / Otiria 2,000 Minor 🗸 🗸 All - - - All Groundwater - All

KER001KE Kerikeri 6,200 Medium 🗸 🗸 All - - All All Surface - All

KER001WA Waipapa 500 Small 🗸 🗸 All - - All All Surface - All

NGA046NG Ngati Rehia Wai Trust 120 Small 🞩 🞩 All - - All All Groundwater - All

OKA003OK Okaihau 800 Minor 🗸 🗸 All - - All All Groundwater - All

OMA002OM Omapere 900 Minor 🗸 🗸 All - - - All Surface - All

PAI001HA Haruru Falls 1,000 Minor 🗸 🗸 All - - All All Surface - All

PAI001OP Opua 1,000 Minor 🗸 🗸 All - - All All Surface - All

PAI001PA Paihia 2,000 Minor 🗸 🗸 All - - All All Surface - All

PAK003PA Pakanae 160 Small 🞩 🗸 - - - All All Surface - All

RAW001RA Rawene 600 Minor 🗸 🗸 All - - - All Surface - All

RUS004RU Russell Township-Commercial 200 Small 🗸 🗸 - - - All All Groundwater - All

WAI045WA Waipapa, Lock 150 Small 🗸 🗸 - - - 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 District

Zone Code Distribution Zone Population Size Bacteria Protozoa Chlorination ClO2 Ozone UV Any Disinfection Sources Secure Disinfection/Secure

DAR002BB Baylys Beach 228 Small 🗸 🗸 All - - All All Surface - All

DAR002DT Dargaville Town 4,455 Minor 🗸 🗸 All - - All All Surface - All

KAI007KD Kaihu-Dargaville 324 Small 🞩 🞩 - - - - - Surface - -

MAN003MA Mangawhai Heads 200 Small 🗸 🞩 All - - All All Groundwater - All

MAU001MA Maungaturoto 900 Minor 🗸 🞩 All - - All All Surface - All

RUA001RU Ruawai 426 Small 🗸 🗸 All - - - All Groundwater - All

Greater Auckland (Watercare)

Zone Code Distribution Zone Population Size Bacteria Protozoa Chlorination ClO2 Ozone UV Any Disinfection Sources Secure Disinfection/Secure

AUC003AA Auckland Airport 4,557 Minor 🗸 🗸 All - - - All Surface - All

AUC003AU Auckland 261,638 Large 🗸 🗸 All - - - All Mixed - All

AUC003AZ Anzac 3,445 Minor 🗸 🗸 All - - - All Surface - All

AUC003BU Buckland 609 Minor 🗸 🗸 All - - - All Surface - All

AUC003CB Central Business Dist.Auckland 14,590 Large 🗸 🗸 All - - - All Mixed - All

AUC003CL Clarks/Waiau Beach 1,332 Minor 🗸 🗸 All - - - All Surface - All

AUC003EB East Tamaki/Botany 36,914 Large 🗸 🗸 All - - - All Surface - All

AUC003GL Glenbrook Beach 393 Small 🗸 🗸 All - - - All Surface - All

AUC003GN Glen Eden/New Lynn 56,785 Large 🗸 🗸 All - - - All Surface - All

AUC003HE Henderson 125,916 Large 🗸 🗸 All - - - All Surface - All

AUC003HH High Head 4,000 Minor 🗸 🗸 All - - - All Surface - All

AUC003HI Hillsborough 62,355 Large 🗸 🗸 All - - - All Mixed - All

AUC003HO Howick/Pakuranga 94,803 Large 🗸 🗸 All - - - All Surface - All

AUC003HT Hilltop 947 Minor 🗸 🗸 All - - - All Surface - All

AUC003HW HBC/Waiwera 28,898 Large 🗸 🗸 All - - - All Surface - All

AUC003KI Kitchener 14,866 Large 🗸 🗸 All - - - All Surface - All

AUC003LA Laingholm 2,457 Minor 🗸 🗸 All - - - All Surface - All

AUC003MA Maungawhau 45,267 Large 🗸 🗸 All - - - All Surface - All

AUC003MG Mangere 71,629 Large 🗸 🗸 All - - - All Surface - All

AUC003MO Montana 4,615 Minor 🗸 🗸 All - - - All Surface - All

AUC003MT Mt Hobson 30,526 Large 🗸 🗸 All - - - All Mixed - All

AUC003MW Manurewa 72,305 Large 🗸 🗸 All - - - All Surface - All

AUC003ON Onehunga 27,101 Large 🗸 🗸 All - - - All Groundwater - All

AUC003OP Otara/Papatoetoe/Manukau Cent. 58,441 Large 🗸 🗸 All - - - All Surface - All

AUC003OR Oratia 1,596 Minor 🗸 🗸 All - - - All Surface - All

AUC003OT Otahuhu 11,083 Large 🗸 🗸 All - - - All Mixed - All

AUC003PT Patumahoe 606 Minor 🗸 🗸 All - - - All Surface - All

AUC003SO North Shore Sth. 151,400 Large 🗸 🗸 All - - - All Surface - All

AUC003SW Swanson 4,540 Minor 🗸 🗸 All - - - All Surface - All

AUC003TH Te Henga 1,085 Minor 🗸 🗸 All - - - All Surface - All

AUC003WE North Shore West 71,300 Large 🗸 🗸 All - - - All Surface - All

AUC003WH Whenuapai 5,460 Medium 🗸 🗸 All - - - All Surface - All

BOM003BO Bombay 609 Minor 🗸 🗸 All - - All All Groundwater - All

Zone Code Distribution Zone Population Size Bacteria Protozoa Chlorination ClO2 Ozone UV Any Disinfection Sources Secure Disinfection/Secure

BUR004BU Burnside Road 352 Small 🗸 🗸 All - - - All Surface - All

HEL005HP Helensville/Parakai 4,579 Minor 🗸 🗸 All - - - All Surface - All

HUI006HV Huia Village 597 Minor 🗸 🗸 All - - - All Surface - All

MUR011MU Muriwai 563 Minor 🗸 🗸 All - - All All Groundwater - All

PAP001PC Papakura City 32,421 Large 🗸 🗸 All - - - All Surface - All

PAP001RH Red Hill 2,475 Minor 🗸 🗸 All - - - All Surface - All

PAP001TA Takanini 13,617 Large 🗸 🗸 All - - - All Surface - All

SNE002SN Snells/Algies 4,664 Minor 🗸 🗸 All - - - All SecureGW All All

WAI214WA Waiuku 8,697 Medium 🗸 🗸 All - - All All Groundwater Some All

WAR006WA Warkworth 4,111 Minor 🗸 🗸 All - - All All Surface - All

WEL004WE Wellsford/Te Hana 2,114 Minor 🗸 🗸 All - - All All Surface - All

Greater Auckland

Zone Code Distribution Zone Population Size Bacteria Protozoa Chlorination ClO2 Ozone UV Any Disinfection Sources Secure Disinfection/Secure

BOM002BO Bombay Motorway Services 200 Small 🗸 🗸 All - - - All SecureGW All All

BRO015BP Broadway Park, Newmarket 1,000 Minor 🞩 🗸 All - - - All Mixed - All

HAR005HA Haranui Whanau 200 Small 🞩 🗸 - - - All All Groundwater - All

KEN005KP Kensington Park 450 Small 🗸 🗸 All - - - All SecureGW All All

KIN002KH Kingseat Community 400 Small 🗸 🗸 All - - - All SecureGW All All

MAT034MA Matiatia Wharf 800 Minor 🗸 🞩 - - - All All Groundwater - All

PIN003PI Pine Harbour 150 Small 🗸 🗸 All - - All All SecureGW All All

WAI197GL Waiuku, Glenbrook Beach Road 200 Small 🗸 🗸 All - - - All SecureGW All All

Thames Coromandel District

Zone Code Distribution Zone Population Size Bacteria Protozoa Chlorination ClO2 Ozone UV Any Disinfection Sources Secure Disinfection/Secure

COR001CO Coromandel 1,657 Minor 🞩 🞩 All - - All All Surface - All

HAH001HA Hahei, Harsant Subdivision 457 Small 🗸 🞩 - - - All All Groundwater - All

HAH003PA Hahei, Pa Road 200 Small 🞩 🞩 - - - - - Groundwater - -

MAT009MA Matatoki 150 Small 🞩 🞩 - - - - - Surface - -

MAT010MA Matarangi 279 Small 🗸 🞩 All - - - All Surface - All

ONE002ON Onemana 170 Small 🞩 🞩 All - - - All Groundwater - All

PAU001PA Pauanui 747 Minor 🗸 🞩 - - - All All Groundwater - All

PUR003PU Puriri 150 Small 🞩 🞩 - - - - - Surface - -

TAI002TA Tairua 1,335 Minor 🗸 🞩 All - - All All Surface - All

TEP007AP Te Puru - Aputa Ave 200 Small 🞩 🞩 - - - All All Surface - All

THA001TK Thames - Kopu 7,657 Medium 🗸 🞩 All - - - All Surface - All

WHA003WH Whangamata 3,665 Minor 🞩 🞩 All - - - All Groundwater - All

WHI001WH Whitianga 4,115 Minor 🗸 🞩 All - - - All Surface - All

Hauraki District

Zone Code Distribution Zone Population Size Bacteria Protozoa Chlorination ClO2 Ozone UV Any Disinfection Sources Secure Disinfection/Secure

KAI013KA Kaimanawa 204 Small 🗸 🞩 All - - - All Surface - All

KAR001KA Karangahake 147 Small 🗸 🞩 All - - - All Groundwater - All

KER005KE Kerepehi 1,371 Minor 🗸 🞩 All - - All All Surface - All

KER005TU Turua 1,181 Minor 🗸 🞩 All - - All All Surface - All

MAC003MA Mackaytown 174 Small 🞩 🞩 All - - - All Surface - All

PAE001OH Ohinemuri 702 Minor 🗸 🞩 All - - - All Surface - All

PAE001PA Paeroa 3,864 Minor 🗸 🞩 All - - - All Surface - All

WAI003WA Waihi 4,623 Minor 🗸 🞩 All - - - All Surface - All

WAI043WA Waikino 304 Small 🗸 - - - - - - Unfin - -

WAI201WA Waitakaruru 2,076 Minor 🗸 🞩 All - - All All Surface - All

Waikato District

Zone Code Distribution Zone Population Size Bacteria Protozoa Chlorination ClO2 Ozone UV Any Disinfection Sources Secure Disinfection/Secure

HUN002HU Huntly 7,210 Medium 🗸 🗸 All - - - All Surface - All

HUN002RO Rotongaro 130 Small 🗸 🗸 All - - - All Surface - All

NGA002HO Horotiu 459 Small 🗸 🗸 All - - - All Surface - All

NGA002HP Hopuhopu 200 Small 🗸 🗸 All - - - All Surface - All

NGA002NG Ngaruawahia 5,691 Medium 🗸 🗸 All - - - All Surface - All

NGA002TA Taupiri 529 Minor 🗸 🗸 All - - - All Surface - All

NOR013NO North Western Dist, Waikato DC 115 Small 🗸 🗸 All - - All All Surface - All

POK001PO Pokeno 519 Minor 🗸 🗸 All - - - All Surface - All

RAG001RA Raglan 3,187 Minor 🗸 🗸 All - - All All Groundwater - All

SOU009SO Southern Districts, Waikato DC 5,466 Medium 🗸 🗸 All - - All All Surface - All

TEK001TR Te Kauwhata / Rangiriri 1,410 Minor 🗸 🗸 All - - All All Surface - All

TEK001WH Whangamarino Rural / Meremere 739 Minor 🗸 🗸 All - - All All Surface - All

TUA002TN Tuakau North 823 Minor 🗸 🗸 All - - - All Surface - All

TUA002TS Tuakau South 3,119 Minor 🗸 🗸 All - - - All Surface - All

Matamata Piako District

Zone Code Distribution Zone Population Size Bacteria Protozoa Chlorination ClO2 Ozone UV Any Disinfection Sources Secure Disinfection/Secure

MAT004MA Matamata Township 6,309 Medium 🞩 🞩 All - - Some All Mixed Some All

MAT004WA Waharoa 634 Minor 🗸 🞩 All - - Some All Mixed Some All

MOR001MO Morrinsville Township 6,603 Medium 🗸 🞩 All - - - All Surface - All

TAH001TA Tahuna Township 120 Small 🞩 🞩 All - - - All Groundwater - All

TAT005FA Tatua Dairy Factory Endpoint 200 Small 🞩 🗸 All - - - All SecureGW All All

TEA003TE Te Aroha 3,768 Minor 🗸 🗸 All - - - All Surface - All

WAI049WA Waitoa Village & Factory 500 Small 🗸 🞩 All - - - All Surface - All

Hamilton City

Zone Code Distribution Zone Population Size Bacteria Protozoa Chlorination ClO2 Ozone UV Any Disinfection Sources Secure Disinfection/Secure

HAM001HA Hamilton City 130,813 Large 🗸 🗸 All - - All All Surface - All

HAM001RU Ruakura/Ryburn Road 151 Small 🗸 🗸 All - - All All Surface - All

HAM001TE Temple View, Hamilton 1,413 Minor 🗸 🗸 All - - All All Surface - All

Waipa District

Zone Code Distribution Zone Population Size Bacteria Protozoa Chlorination ClO2 Ozone UV Any Disinfection Sources Secure Disinfection/Secure

CAM001CA Cambridge 13,368 Large 🗸 🞩 All - - Some All Mixed - All

CAM001KA Karapiro Village 132 Small 🞩 🗸 All - - - All Surface - All

HAM006IT East Side Terminal 400 Small 🗸 🗸 All - - - All Surface - All

HAM006WE West Side Aviation Area 350 Small 🗸 🞩 All - - All All Groundwater - All

KIH001KI Kihikihi 2,000 Minor 🗸 🗸 All - - - All SecureGW All All

PUK001OH Ohaupo 468 Small 🗸 🗸 All - - - All Surface - All

PUK001PU Pukerimu Rural 3,278 Minor 🗸 🗸 All - - - All Surface - All

TEA001PI Pirongia 1,500 Minor 🗸 🗸 Some - - Some Some Mixed Some All

TEA001TE Te Awamutu Township 9,165 Medium 🗸 🗸 Some - - Some Some Mixed Some All

TOK006TH Tokanui 250 Small 🗸 🗸 All - - All All Surface - All

Otorohanga District

Zone Code Distribution Zone Population Size Bacteria Protozoa Chlorination ClO2 Ozone UV Any Disinfection Sources Secure Disinfection/Secure

ARO001AO Aotearoa Road, Arohena 120 Small 🗸 🞩 All - - - All Surface - All

ARO001MA Mangare Road, Arohena 120 Small 🗸 🞩 All - - - All Surface - All

KAW001KA Kawhia Township 390 Small 🗸 🞩 All - - All All Groundwater - All

OTO001OT Otorohanga 2,875 Minor 🗸 🞩 All - - - All Surface - All

OTO001WA Waipa 175 Small 🗸 🞩 All - - - All Surface - All

TIH001TI Tihiroa 400 Small 🗸 🞩 All - - - All Surface - All

South Waikato District

Zone Code Distribution Zone Population Size Bacteria Protozoa Chlorination ClO2 Ozone UV Any Disinfection Sources Secure Disinfection/Secure

ARA003AR Arapuni 300 Small 🗸 🞩 All - - All All Groundwater - All

PUT001PU Putaruru 4,116 Minor 🗸 🞩 Some - - Some All Mixed - All

TIR001TI Tirau 700 Minor 🗸 🗸 All - - All All Surface - All

TOK001TO Tokoroa 13,300 Large 🗸 🞩 All - - All All Groundwater - All

Waitomo District

Zone Code Distribution Zone Population Size Bacteria Protozoa Chlorination ClO2 Ozone UV Any Disinfection Sources Secure Disinfection/Secure

BEN002BE Benneydale 280 Small 🗸 🞩 All - - - All Surface - All

MOK002MO Mokau, Waitomo 200 Small 🗸 🞩 All - - - All Surface - All

PIO001PI Piopio 500 Small 🗸 🞩 All - - - All Surface - All

TAH002TA Taharoa Village 300 Small 🞩 🞩 All - - - All Groundwater - All

TEK003TE Te Kuiti 4,612 Minor 🗸 🞩 All - - - All Surface - All

WAI012WC Waitomo Caves 500 Small 🞩 🞩 All - - - All Surface - All

Ruapehu District

Zone Code Distribution Zone Population Size Bacteria Protozoa Chlorination ClO2 Ozone UV Any Disinfection Sources Secure Disinfection/Secure

NAT001NA National Park 240 Small 🗸 🞩 All - - All All Surface - All

OHA001OH Ohakune Township 1,500 Minor 🗸 🞩 All - - All All Surface - All

OHU001OH Ohura 160 Small 🗸 🞩 All - - - All Surface - All

OWH001OW Owhango 200 Small 🗸 🞩 All - - - All Surface - All

PIR001PI Piriaka 120 Small 🞩 🞩 - - - - - Groundwater - -

RAE001RA Raetihi Township 749 Minor 🞩 🞩 All - - - All Surface - All

TAU003TA Taumarunui 4,870 Minor 🗸 🞩 All - - - All Surface - All

WAI002WA Waiouru Township 2,800 Minor 🞩 🞩 All - - - All Surface - All

WHA015WV Whakapapa Village 200 Small 🗸 🞩 All - - All All Surface - All

Western Bay of Plenty District

Zone Code Distribution Zone Population Size Bacteria Protozoa Chlorination ClO2 Ozone UV Any Disinfection Sources Secure Disinfection/Secure

ATH003AT Athenree 5,125 Medium 🗸 🗸 All - - - All SecureGW All All

KAT003KA Katikati 5,700 Medium 🗸 🗸 All - - - All SecureGW All All

OMO003OM Omokoroa Minden 6,450 Medium 🗸 🗸 All - - - All SecureGW All All

PON003PO Pongakawa 4,600 Minor 🗸 🗸 All - - - All SecureGW All All

TEP002TP Te Puke 8,260 Medium 🗸 🗸 All - - - All SecureGW All All

TEP029TB Te Puke Bush 200 Small 🗸 🗸 All - - All All Surface - All

Tauranga City

Zone Code Distribution Zone Population Size Bacteria Protozoa Chlorination ClO2 Ozone UV Any Disinfection Sources Secure Disinfection/Secure

TAU004MP Mt Maunganui - Papamoa 52,000 Large 🗸 🗸 All - - - All Surface - All

TAU004TB Tauranga - Bethlehem 51,783 Large 🗸 🗸 All - - - All Surface - All

Whakatane District

Zone Code Distribution Zone Population Size Bacteria Protozoa Chlorination ClO2 Ozone UV Any Disinfection Sources Secure Disinfection/Secure

MAT005MA Matata 690 Minor 🗸 🞩 All - - All All Groundwater - All

MUR002MU Murupara 2,060 Minor 🗸 🞩 - - - - - Groundwater - -

RAN007ED Edgecumbe 1,430 Minor 🗸 🞩 All - - - All Groundwater - All

RAN007PR Rangitaiki Plains Rural 2,486 Minor 🗸 🞩 All - - - All Groundwater - All

RAN007TE Te Teko 346 Small 🗸 🞩 All - - - All Groundwater - All

RUA003RU Ruatoki 560 Minor 🗸 🞩 All - - All All Groundwater - All

RUA008RU Ruatahuna Village 300 Small 🞩 🞩 - - - - - Groundwater - -

TAN001TA Taneatua 790 Minor 🗸 🞩 All - - All All Groundwater - All

TEM004TE Te Mahoe 120 Small 🗸 🞩 All - - - All Groundwater - All

WAI017WA Waimana 160 Small 🗸 🞩 All - - All All Groundwater - All

WHA005OH Ohope 6,000 Medium 🗸 🞩 All - - All All Surface - All

WHA005WH Whakatane 15,020 Large 🗸 🞩 All - - All All Surface - All

Kawerau District

Zone Code Distribution Zone Population Size Bacteria Protozoa Chlorination ClO2 Ozone UV Any Disinfection Sources Secure Disinfection/Secure

KAW003KA Kawerau 6,921 Medium 🗸 🞩 - - - 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 ClO2 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 🗸 🗸 All - - - All SecureGW All All

OPO001OP Opotiki Town 3,876 Minor 🗸 🗸 All - - - All SecureGW All All

PAE005PA Paerata East 112 Small 🞩 🞩 - - - - - Groundwater - -

TEK004TE Te Kaha 150 Small 🗸 🞩 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 ClO2 Ozone UV Any Disinfection Sources Secure Disinfection/Secure

BRU005BR Brunswick 4 110 Small 🞩 🗸 - - - - - SecureGW All All

HAM003HA Hamurana 900 Minor 🗸 🗸 All - - All All Groundwater - All

HAM003KA Kaharoa 800 Minor 🗸 🗸 All - - All All Groundwater - All

KAI009KA Kaingaroa 400 Small 🗸 🞩 All - - - All Groundwater - All

MAM001MA Mamaku Township 868 Minor 🗸 🞩 All - - - All Groundwater - All

NGO001NG Ngongotaha Township 4,826 Minor 🗸 🗸 All - - All All Groundwater - All

REP001RE Reporoa 1,060 Minor 🗸 🗸 All - - All All Groundwater - All

ROT001OK Okareka 730 Minor 🗸 🗸 All - - All All Groundwater - All

ROT001RE Rotorua Eastern Suburbs 9,600 Medium 🗸 🗸 All - - All All Groundwater - All

ROT002RO Rotoma 340 Small 🗸 🗸 All - - All All Surface - All

ROT003RO Rotorua City 42,500 Large 🗸 🗸 All - - All All Groundwater - All

ROT004RO Rotoiti 880 Minor 🗸 🗸 All - - All All Groundwater - All

Taupo District

Zone Code Distribution Zone Population Size Bacteria Protozoa Chlorination ClO2 Ozone UV Any Disinfection Sources Secure Disinfection/Secure

ACA001AC Acacia Bay 1,512 Minor 🞩 🞩 All - - - All Surface - All

ACA001MA Mapara Road Rural 869 Minor 🗸 🞩 All - - - All Surface - All

ATI001AV Atiamuri Village 134 Small 🗸 🗸 All - - - All Groundwater - All

BON001BO Bonshaw Park 152 Small 🗸 🞩 All - - - All Groundwater - All

CEN001RR Rakanui Road 200 Small 🗸 🞩 All - - - All Surface - All

HAT001HV Hatepe Village 174 Small 🗸 🞩 All - - - All Surface - All

KIN001KI Kinloch Town 1,604 Minor 🗸 🞩 All - - - All Surface - All

KIN010KI Kinloch Park 140 Small 🞩 🞩 - - - - - Groundwater - -

MAN002MA Mangakino 1,312 Minor 🗸 🗸 All - - All All Groundwater - All

MOT002MO Motuoapa 739 Minor 🗸 🞩 All - - - All Surface - All

OMO001OM Omori / Kuratau / Pukawa 1,783 Minor 🗸 🞩 All - - - All Surface - All

Zone Code Distribution Zone Population Size Bacteria Protozoa Chlorination ClO2 Ozone UV Any Disinfection Sources Secure Disinfection/Secure

RIV003RI River Rd Reporoa 197 Small 🗸 🞩 All - - - All Surface - All

TAU001TC Taupo Central & West 17,105 Large 🗸 🗸 All - - - All Surface - All

TAU001TS Taupo - Taupo South 6,396 Medium 🗸 🗸 All - - - All Surface - All

TIR002SC Serenity Cove 137 Small 🞩 🞩 All - - - All Surface - All

TIR002TI Tirohanga 190 Small 🗸 🞩 All - - - All Surface - All

TUR001TO Tokaanu 360 Small 🗸 🗸 All - - All All Groundwater - All

TUR001TU Turangi 3,578 Minor 🗸 🗸 All - - All All Groundwater - All

WHA010WH Whareroa 313 Small 🗸 🞩 All - - - All Groundwater - All

WHA011WH Whakamaru 116 Small 🗸 🞩 All - - - All Groundwater - All

Gisborne District

Zone Code Distribution Zone Population Size Bacteria Protozoa Chlorination ClO2 Ozone UV Any Disinfection Sources Secure Disinfection/Secure

ENI001MA Mangahauini 130 Small 🞩 🞩 - - - - - Surface - -

GIS001GI Gisborne City 29,600 Large 🗸 🗸 All - - - All Surface - All

GIS001RU Gisborne Rural 1,000 Minor 🗸 🗸 All - - - All Surface - All

TEK002TE Te Karaka 491 Small 🗸 🗸 All - - All All Surface - All

TEP001TE Te Puia Springs Hosp & Village 300 Small 🗸 🞩 All - - All All Surface - All

WHA004WH Whatatutu 200 Small 🗸 🞩 All - - All All Surface - All

New Plymouth District

Zone Code Distribution Zone Population Size Bacteria Protozoa Chlorination ClO2 Ozone UV Any Disinfection Sources Secure Disinfection/Secure

ING001IN Inglewood 3,983 Minor 🗸 🗸 All - - - All Surface - All

NEW002BE Bell Block 4,820 Minor 🗸 🗸 All - - - All Surface - All

NEW002LE Lepperton 200 Small 🗸 🗸 All - - - All Surface - All

NEW002NE New Plymouth 45,420 Large 🗸 🗸 All - - - All Surface - All

NEW002UR Urenui/Tikorangi 1,030 Minor 🗸 🗸 All - - - All Surface - All

NEW002WA Waitara 7,602 Medium 🗸 🗸 All - - - All Surface - All

OAK001OA Oakura 1,625 Minor 🗸 🗸 All - - - All SecureGW All All

OKA002OK Okato 530 Minor 🗸 🗸 All - - All All Surface - All

Stratford District

Zone Code Distribution Zone Population Size Bacteria Protozoa Chlorination ClO2 Ozone UV Any Disinfection Sources Secure Disinfection/Secure

MID001MI Midhirst 200 Small 🗸 🗸 All - - All All Surface - All

STR001ST Stratford 6,773 Medium 🗸 🞩 All - - - All Surface - All

South Taranaki District

Zone Code Distribution Zone Population Size Bacteria Protozoa Chlorination ClO2 Ozone UV Any Disinfection Sources Secure Disinfection/Secure

COL005PI Pihama 350 Small 🗸 🞩 All - - - All Surface - All

ELT001EL Eltham 1,980 Minor 🗸 🗸 All - - - All Surface - All

HAW003HA Hawera 8,550 Medium 🗸 🗸 All - - - All Surface - All

HAW003NO Normanby 850 Minor 🗸 🗸 All - - - All Surface - All

HAW003OH Ohawe Beach 210 Small 🗸 🗸 All - - - All Surface - All

INA001IN Inaha 495 Small 🗸 🞩 All - - - All Surface - All

OPU001OP Opunake 1,370 Minor 🗸 🗸 All - - - All Surface - All

PAT001PA Patea 1,150 Minor 🗸 🗸 - - - - - SecureGW All All

RAH001RA Rahotu 115 Small 🗸 🗸 All - - - All Surface - All

WAI018KA Kaponga 370 Small 🗸 🗸 All - - - All Surface - All

WAI018MA Manaia 925 Minor 🗸 🗸 All - - - All Surface - All

WAI018RU Waimate West Rural 1,585 Minor 🗸 🗸 All - - - All Surface - All

WAV001WA Waverley 950 Minor 🞩 🗸 - - - - - SecureGW All All

Wairoa District

Zone Code Distribution Zone Population Size Bacteria Protozoa Chlorination ClO2 Ozone UV Any Disinfection Sources Secure Disinfection/Secure

RAU006RA Raupunga 250 Small 🞩 🞩 - - - - - Surface - -

TUA005TU Tuai 300 Small 🗸 🗸 - - - All All Groundwater - All

WAI006FR Frasertown 350 Small 🗸 🗸 All - - All All Surface - All

WAI006WA Wairoa 4,300 Minor 🗸 🗸 All - - All All Surface - All

Napier City

Zone Code Distribution Zone Population Size Bacteria Protozoa Chlorination ClO2 Ozone UV Any Disinfection Sources Secure Disinfection/Secure

BAY001BA Bayview Township 894 Minor 🗸 🗸 - - - - - SecureGW All All

NAP001NA Napier City 25,800 Large 🗸 🗸 - - - - - SecureGW All All

NAP001TA Taradale 24,110 Large 🗸 🗸 - - - - - SecureGW All All

Hastings District

Zone Code Distribution Zone Population Size Bacteria Protozoa Chlorination ClO2 Ozone UV Any Disinfection Sources Secure Disinfection/Secure

CLI001AL Allen Lane/Ferry Rd, Clive 198 Small 🗸 🗸 - - - - - SecureGW All All

CLI001VA Valerie St/Tuckers Lane, Clive 362 Small 🗸 🗸 - - - - - SecureGW All All

HAS001BP Bridge Pa 300 Small 🞩 🞩 All - - - All Groundwater Some All

HAS001EA Hastings East 16,668 Large 🞩 🞩 All - - Some All Groundwater Some All

HAS001FL Flaxmere 12,171 Large 🞩 🞩 All - - - All Groundwater Some All

HAS001HN Havelock North 15,370 Large 🗸 🞩 All - - Some All Groundwater Some All

HAS001PA Paki Paki 200 Small 🗸 🞩 All - - - All Groundwater Some All

HAS001WE Hastings West & Central 20,055 Large 🞩 🞩 All - - - All Groundwater Some All

HAU002HA Haumoana / Te Awanga 1,900 Minor 🗸 🞩 - - - - - Groundwater - -

OMA008OM Omahu 126 Small 🗸 🞩 All - - - All Groundwater - All

PAR025PA Parkhill Farm 288 Small 🞩 🞩 - - - - - Groundwater - -

WAI007WA Waimarama 260 Small 🞩 🞩 - - - All All Groundwater - All

WHA029WH Whakatu 337 Small 🗸 🗸 - - - - - SecureGW All All

WHI007WH Whirinaki, Hawkes Bay 750 Minor 🗸 🞩 - - - All All Groundwater - All

Central Hawkes Bay District

Zone Code Distribution Zone Population Size Bacteria Protozoa Chlorination ClO2 Ozone UV Any Disinfection Sources Secure Disinfection/Secure

FAR001FA Farm Road 120 Small 🞩 🞩 All - - - All Groundwater - All

POR003PT Porangahau Township 130 Small 🗸 🞩 All - - - All Groundwater - All

TAK001TA Takapau Township 570 Minor 🞩 🗸 All - All - All SecureGW All All

WAI004HI Waipukurau High Pressure Zone 3,000 Minor 🗸 🞩 All - - - All Groundwater - All

WAI004LO Waipukurau Low Pressure Zone 666 Minor 🗸 🞩 All - - - All Groundwater - All

WAI005OT Otane Township 546 Minor 🗸 🞩 All - - - All Groundwater - All

WAI005WA Waipawa Township 1,809 Minor 🗸 🞩 All - - - All Groundwater - All

Chatham Islands

Zone Code Distribution Zone Population Size Bacteria Protozoa Chlorination ClO2 Ozone UV Any Disinfection Sources Secure Disinfection/Secure

WAI158WA Waitangi, Chatham Is. 125 Small 🗸 🗸 All - - All All SecureGW All All

Wanganui District

Zone Code Distribution Zone Population Size Bacteria Protozoa Chlorination ClO2 Ozone UV Any Disinfection Sources Secure Disinfection/Secure

BRU001BR Brunswick-Westmere 450 Small 🗸 🗸 All - - - All SecureGW All All

FOR001FO Fordell Township 350 Small 🗸 🗸 All - - - All SecureGW All All

MAX001MA Maxwell 200 Small 🗸 🗸 All - - - All SecureGW All All

MOW001MO Mowhanau Beach 300 Small 🗸 🗸 All - - - All SecureGW All All

WAN001AR Aramoho 5,000 Minor 🗸 🗸 All - All - All SecureGW All All

WAN001EA Wanganui East 5,000 Minor 🗸 🗸 All - Some - All SecureGW All All

WAN001WA Wanganui City 29,000 Large 🗸 🗸 All - - - All SecureGW All All

Rangitikei District

Zone Code Distribution Zone Population Size Bacteria Protozoa Chlorination ClO2 Ozone UV Any Disinfection Sources Secure Disinfection/Secure

BUL001BU Bulls Township 1,800 Minor 🗸 🞩 All - - All All Groundwater - All

HUN001HU Hunterville Township 400 Small 🗸 🞩 All - - All All Surface - All

MAN001MA Mangaweka Township 180 Small 🗸 🞩 All - - All All Surface - All

MAR001MA Marton Township 3,750 Minor 🗸 🞩 All - - Some All Mixed - All

RAT001RA Ratana Township 450 Small 🗸 🞩 All - - - All Groundwater - All

TAI001TA Taihape Township 2,200 Minor 🗸 🞩 All - - All All Surface - All

Manawatu District

Zone Code Distribution Zone Population Size Bacteria Protozoa Chlorination ClO2 Ozone UV Any Disinfection Sources Secure Disinfection/Secure

FEI001FE Feilding 13,000 Large 🞩 🞩 All - - - All Mixed Some All

HAL001HA Halcombe-Stanway 430 Small 🗸 🞩 All - - - All Surface - All

HIM001HI Himatangi Beach 438 Small 🗸 🞩 All - - - All Groundwater - All

KIW003KI Kimbolton 150 Small 🞩 🞩 All - - - All Surface - All

OHA002OH Ohakea 800 Minor 🗸 🞩 All - - All All Groundwater - All

RON002RO Rongotea 300 Small 🗸 🞩 All - - - All Groundwater - All

SAN001SA Sanson 492 Small 🗸 🞩 All - - - All Surface - All

WAI022WA Waituna West 200 Small 🗸 🞩 All - - - All Groundwater - All

Palmerston North City

Zone Code Distribution Zone Population Size Bacteria Protozoa Chlorination ClO2 Ozone UV Any Disinfection Sources Secure Disinfection/Secure

ASH001AS Ashhurst 2,800 Minor 🗸 🗸 All - - - All SecureGW All All

BUN001BU Bunnythorpe 450 Small 🗸 🗸 All - - - All SecureGW All All

LIN001LI Linton 4,500 Minor 🗸 🞩 All - - - All Groundwater - All

LON001LO Longburn 240 Small 🗸 🗸 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 🗸 🗸 All - - - All SecureGW All All

PAL001AO Aokautere 2,739 Minor 🗸 🗸 All - - - All Surface - All

PAL001FW Fitzherbert West 450 Small 🗸 🗸 All - - - All Surface - All

PAL001KG Kelvin Grove 5,784 Medium 🗸 🗸 All - - - All Mixed Some All

PAL001PC Palmerston North City 58,680 Large 🗸 🗸 All - - - All Mixed Some All

Tararua District

Zone Code Distribution Zone Population Size Bacteria Protozoa Chlorination ClO2 Ozone UV Any Disinfection Sources Secure Disinfection/Secure

DAN001DA Dannevirke 6,000 Medium 🞩 🞩 All - - - All Surface - All

EKE001EK Eketahuna 456 Small 🗸 🞩 All - - All All Surface - All

NOR002NO Norsewood 200 Small 🗸 🞩 - - - - - Groundwater - -

PAH001PA Pahiatua 2,700 Minor 🗸 🞩 All - - - All Surface - All

PLE002PL Pleckville 200 Small 🞩 🞩 - - - - - Surface - -

PON001PO Pongaroa 200 Small 🗸 🞩 All - - - All Surface - All

WOO001WO Woodville 1,500 Minor 🞩 🞩 All - - All All Surface - All

Horowhenua District

Zone Code Distribution Zone Population Size Bacteria Protozoa Chlorination ClO2 Ozone UV Any Disinfection Sources Secure Disinfection/Secure

FOX002FO Foxton 2,700 Minor 🗸 🗸 All - - - All SecureGW All All

FOX003FO Foxton Beach 1,900 Minor 🗸 🗸 All - - - All SecureGW All All

LEV001LE Levin 20,000 Large 🗸 🞩 All - - - All Surface - All

SHA001SH Shannon 1,436 Minor 🗸 🞩 All - - - All Surface - All

TOK002TO Tokomaru 550 Minor 🗸 🞩 All - - All All Surface - All

Kapiti Coast District

Zone Code Distribution Zone Population Size Bacteria Protozoa Chlorination ClO2 Ozone UV Any Disinfection Sources Secure Disinfection/Secure

HAU003HA Hautere 700 Minor 🗸 🞩 All - - All All Groundwater - All

OTA003OT Otaki 4,700 Minor 🗸 🞩 All - - All All Groundwater - All

OTA003WA Waitohu 1,000 Minor 🗸 🞩 All - - All All Groundwater - All

PAE002PA Paekakariki 1,665 Minor 🗸 🞩 All - - All All Surface - All

WAI010PA Paraparaumu/Raumati 25,200 Large 🗸 🗸 All - - All All Surface - All

WAI010WA Waikanae 10,600 Large 🗸 🗸 All - - All All Surface - All

Upper Hutt City

Zone Code Distribution Zone Population Size Bacteria Protozoa Chlorination ClO2 Ozone UV Any Disinfection Sources Secure Disinfection/Secure

UPP001PI Pinehaven 3,090 Minor 🗸 🗸 All - - - All Surface - All

UPP001UP Upper Hutt Central 31,560 Large 🗸 🗸 All - - - All Surface - All

The Hutt City

Zone Code Distribution Zone Population Size Bacteria Protozoa Chlorination ClO2 Ozone UV Any Disinfection Sources Secure Disinfection/Secure

LOW001EA Eastbourne 4,704 Minor 🗸 🗸 - - - - - SecureGW All All

LOW001HA Haywards 372 Small 🗸 🗸 All - - - All Surface - All

LOW001LO Lower Hutt 56,103 Large 🗸 🗸 - - - - - SecureGW All All

LOW001PE Petone 8,034 Medium 🗸 🗸 - - - - - SecureGW All All

LOW001ST Stokes Valley 9,198 Medium 🗸 🗸 All - - - All Surface - All

LOW001WA Wainuiomata 17,058 Large 🗸 🗸 Some - - - Some Mixed Some All

Porirua City

Zone Code Distribution Zone Population Size Bacteria Protozoa Chlorination ClO2 Ozone UV Any Disinfection Sources Secure Disinfection/Secure

JUD001JU Judgeford 200 Small 🗸 🗸 All - - - All Surface - All

POR001MA Mana/Plimmerton/Paremata 5,184 Medium 🗸 🗸 All - - - All Surface - All

POR001PH Porirua High Level 15,398 Large 🗸 🗸 All - - - All Surface - All

POR001PL Porirua Low Level 16,924 Large 🗸 🗸 All - - - All Surface - All

POR001PU Pukerua Bay 1,656 Minor 🗸 🗸 All - - - All Surface - All

POR001WH Whitby 7,282 Medium 🗸 🗸 All - - - All Surface - All

Wellington City

Zone Code Distribution Zone Population Size Bacteria Protozoa Chlorination ClO2 Ozone UV Any Disinfection Sources Secure Disinfection/Secure

WEL002BR Brooklyn 9,765 Medium 🗸 🗸 All - - - All Mixed Some All

WEL002CH Churton 4,446 Minor 🗸 🗸 All - - - All Surface - All

WEL002EA Eastern Wellington 16,815 Large 🗸 🗸 All - - - All Mixed Some All

WEL002JO Johnsonville 18,357 Large 🗸 🗸 All - - - All Mixed Some All

WEL002KA Karori 13,146 Large 🗸 🗸 All - - - All Mixed Some All

WEL002KE Kelburn 9,924 Medium 🗸 🗸 All - - - All Mixed Some All

WEL002ON Onslow 11,883 Large 🗸 🗸 All - - - All Mixed Some All

WEL002SO Southern Wellington 30,024 Large 🗸 🗸 All - - - All Mixed Some All

WEL002TA Tawa 12,903 Large 🗸 🗸 All - - - All Surface - All

WEL002WA Wadestown 6,789 Medium 🗸 🗸 All - - - All Mixed Some All

WEL002WE Wellington Central 31,074 Large 🗸 🗸 All - - - All Mixed Some All

Masterton District

Zone Code Distribution Zone Population Size Bacteria Protozoa Chlorination ClO2 Ozone UV Any Disinfection Sources Secure Disinfection/Secure

FER001FE Fernridge 320 Small 🗸 🗸 - - - All All Groundwater - All

MAS002MA Masterton 19,000 Large 🗸 🗸 All - - - All Surface - All

OPA001OP Opaki 680 Minor 🗸 🞩 - - - All All Groundwater - All

TIN002TI Tinui 120 Small 🗸 🗸 All - - All All Groundwater - All

WAI058WA Wainuioru Rural Water 184 Small 🞩 🞩 - - - - - Groundwater - -

Carterton District

Zone Code Distribution Zone Population Size Bacteria Protozoa Chlorination ClO2 Ozone UV Any Disinfection Sources Secure Disinfection/Secure

CAR001CA Carterton 4,200 Minor 🗸 🞩 All - - All All Mixed - All

South Wairarapa District

Zone Code Distribution Zone Population Size Bacteria Protozoa Chlorination ClO2 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 ClO2 Ozone UV Any Disinfection Sources Secure Disinfection/Secure

GLE013GL Glenwood 150 Small 🞩 🗸 - - - All All Surface - All

NEL001NL Nelson 49,740 Large 🗸 🗸 All - - - All Surface - All

Tasman District

Zone Code Distribution Zone Population Size Bacteria Protozoa Chlorination ClO2 Ozone UV Any Disinfection Sources Secure Disinfection/Secure

APP002AP Appleby Hills 250 Small 🗸 🗸 - - - - - SecureGW All All

CEN002CT Central Takaka 125 Small 🞩 🞩 - - - - - Groundwater - -

COL007CO Collingwood 450 Small 🗸 🞩 All - - - All Groundwater - All

DOV001DO Dovedale Rural 450 Small 🞩 🞩 All - - - All Surface - All

EIG001EI Eighty Eight Valley Rural 200 Small 🗸 🞩 All - - - All Surface - All

HOP001HO Hope/Brightwater 2,730 Minor 🗸 🞩 All - - - All Groundwater - All

KAI015KA Kaiteriteri 300 Small 🗸 🞩 - - - - - Groundwater - -

LAK013LA Lake Rotoiti 200 Small 🗸 🗸 - - - All All Surface - All

LOW006LO Lower Moutere Scheme 1 450 Small 🞩 🞩 - - - - - Groundwater - -

MAP003MR Mapua Rise 192 Small 🗸 🗸 - - - - - SecureGW All All

MOT001MO Motueka 1,200 Minor 🗸 🞩 - - - - - Groundwater - -

MUR001MU Murchison 490 Small 🗸 🞩 All - - - All Groundwater - All

POH001PV Pohara 150 Small 🗸 🞩 All - - - All Surface - All

RED001R1 Redwood Valley 1 180 Small 🗸 🞩 All - - - All Groundwater - All

RED003R2 Redwood Valley 2 370 Small 🗸 🞩 All - - - All Groundwater - All

RIC002RI Richmond 10,500 Large 🗸 🞩 - - - All All Groundwater - All

RIC002WI Waimea Industrial 1,800 Minor 🗸 🞩 - - - All All Groundwater - All

TAP003TA Tapawera 400 Small 🗸 🞩 All - - - All Groundwater - All

WAI023MR Mapua Ruby Bay 2,500 Minor 🗸 🞩 All - - - All Groundwater - All

WAK001WA Wakefield 1,500 Minor 🗸 🞩 All - - - All Groundwater - All

Marlborough District

Zone Code Distribution Zone Population Size Bacteria Protozoa Chlorination ClO2 Ozone UV Any Disinfection Sources Secure Disinfection/Secure

BLE001BL Blenheim 24,028 Large 🗸 🗸 - - - All All Groundwater - All

HAV002HA Havelock 618 Minor 🗸 🞩 All - - - All Groundwater - All

PIC001PI Picton/Waikawa 4,185 Minor 🗸 🞩 All - - Some All Mixed - All

RAR001RA Rarangi 160 Small 🗸 🞩 - - - All All Groundwater - All

REN001RE Renwick 1,884 Minor 🗸 🞩 All - - - All Groundwater - All

RIV002RI Riverlands Industrial Estate 740 Minor 🗸 🞩 - - - - - Groundwater - -

SED001DA Dashwood Rural 333 Small 🗸 🞩 All - - - All Surface - All

SED001SE Seddon, Awatere Valley 1,000 Minor 🗸 🞩 All - - - All Surface - All

WAI034WA Wairau Valley 160 Small 🗸 🞩 All - - - All Groundwater - All

WAR003WA Ward 250 Small 🞩 🞩 - - - - - Groundwater - -

WOO004WO Woodbourne RNZAF Base 1,500 Minor 🗸 🞩 All - - All All Groundwater - All

Buller District

Zone Code Distribution Zone Population Size Bacteria Protozoa Chlorination ClO2 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 🗸 🗸 - - - All All Surface - All

WAI001WA Waimangaroa 300 Small 🞩 🞩 - - - - - Surface - -

WES001CA Carters Beach 357 Small 🗸 🗸 All - - All All Surface - All

WES001WE Westport 4,617 Minor 🗸 🗸 All - - All All Surface - All

Grey District

Zone Code Distribution Zone Population Size Bacteria Protozoa Chlorination ClO2 Ozone UV Any Disinfection Sources Secure Disinfection/Secure

BLA001BL Blackball 280 Small 🗸 🞩 All - - All All Surface - All

GRE001CO Cobden 1,650 Minor 🗸 🗸 All - - All All Groundwater - All

GRE001DO Dobson 430 Small 🗸 🗸 All - - All All Groundwater - All

GRE001GM Greymouth 5,950 Medium 🗸 🗸 All - - All All Groundwater - All

GRE001TA Taylorville 190 Small 🗸 🗸 All - - All All Groundwater - All

RUN001RU Runanga 1,190 Minor 🞩 🞩 - - - - - Groundwater - -

Westland District

Zone Code Distribution Zone Population Size Bacteria Protozoa Chlorination ClO2 Ozone UV Any Disinfection Sources Secure Disinfection/Secure

FOX001FO Fox Glacier 252 Small 🗸 🞩 All - - - All Surface - All

FRA001FR Franz Josef 2,611 Minor 🗸 🞩 All - - All All Surface - All

HAR001HA Harihari 348 Small 🞩 🞩 - - - All All Groundwater - All

HOK001HO Hokitika 3,447 Minor 🗸 🞩 All - - - All Surface - All

KUM001KU Kumara 318 Small 🞩 🞩 All - - - All Surface - All

ROS001RO Ross Township 291 Small 🗸 🞩 All - - - All Surface - All

WHA002WH Whataroa 405 Small 🗸 🞩 - - - All All Groundwater - All

Kaikoura District

Zone Code Distribution Zone Population Size Bacteria Protozoa Chlorination ClO2 Ozone UV Any Disinfection Sources Secure Disinfection/Secure

FER003FE Fernleigh Rural Water Supply 150 Small 🗸 🞩 All - - - All Surface - All

KAI004KU Kaikoura Urban 2,500 Minor 🗸 🞩 All - - - All Groundwater - All

KAI021EA Kaikoura East Coast Rural 150 Small 🞩 🞩 - - - - - Groundwater - -

KIN003KI Kincaid Rural Water Supply 120 Small 🗸 🞩 All - - All All Surface - All

OAR001OA Oaro 400 Small 🗸 🗸 - - - All All Surface - All

OCE002OC Ocean Ridge 500 Small 🗸 🞩 - - - All All Groundwater - All

Hurunui District

Zone Code Distribution Zone Population Size Bacteria Protozoa Chlorination ClO2 Ozone UV Any Disinfection Sources Secure Disinfection/Secure

AMB001AT Amberley Town 1,578 Minor 🞩 🗸 - - - - - SecureGW All All

AMB001BE Amberley Beach 343 Small 🞩 🗸 - - - - - SecureGW All All

AMU001RO Rotherham Township and Rural 699 Minor 🞩 🞩 - - - All All Groundwater - All

ASH002AS Ashley/Sefton/Loburn 4,527 Minor 🗸 🞩 All - - All All Groundwater - All

ASH002LB Leithfield Beach 402 Small 🗸 🗸 - - - - - SecureGW All All

ASH002LE Leithfield 903 Minor 🗸 🞩 Some - - Some Some Groundwater Some All

BAL003BA Balmoral Rural 273 Small 🗸 🞩 All - - - All Surface - All

BRO016BR Broomfield 565 Minor 🗸 🗸 - - - - - SecureGW All All

CHE001CT Cheviot Town 795 Minor 🗸 🞩 All - - - All Groundwater - All

CUL001CU Culverden 366 Small 🗸 🗸 - - - - - SecureGW All All

HAN001HA Hanmer Town 948 Minor 🗸 🞩 - - - All All Surface - All

HAW001HW Hawarden/Waikari 753 Minor 🗸 🞩 - - - All All Surface - All

KAI039KA Kaiwara 129 Small 🗸 🞩 All - - - All Surface - All

LOW010LW Lower Waitohi 315 Small 🗸 🞩 All - - - All Surface - All

MOT016MO Motunau, Greta, Scargill 681 Minor 🗸 🞩 All - - - All Surface - All

PAR009PA Parnassus Rural 210 Small 🗸 🞩 All - - - All Surface - All

WAI026WT Waiau Township 255 Small 🗸 🞩 All - - - All Groundwater - All

WAI066UP Waitohi Upper, Waipara 513 Minor 🞩 🞩 All - - - All Surface - All

Zone Code Distribution Zone Population Size Bacteria Protozoa Chlorination ClO2 Ozone UV Any Disinfection Sources Secure Disinfection/Secure

WAI067WA Waiau Rural 435 Small 🗸 🞩 All - - - All Surface - All

WAI068WA Waipara Township 285 Small 🗸 🞩 All - - - All Surface - All

Waimakariri District

Zone Code Distribution Zone Population Size Bacteria Protozoa Chlorination ClO2 Ozone UV Any Disinfection Sources Secure Disinfection/Secure

CUS001CU Cust 343 Small 🗸 🞩 - - - - - Groundwater - -

FER002FE Fernside 210 Small 🗸 🞩 All - - - All Groundwater - All

GAR001GA Garrymere 105 Small 🗸 🞩 All - - - All Groundwater - All

KAI003KA Kaiapoi 12,168 Large 🗸 🗸 - - - - - SecureGW All All

MAN009MA Mandeville 2,023 Minor 🗸 🞩 All - - - All Groundwater - All

OHO001OH Ohoka 218 Small 🗸 🗸 All - - - All SecureGW All All

OXF101OX Oxford Rural No1 775 Minor 🗸 🞩 All - - - All Surface - All

OXF102OR Oxford Rural No2 773 Minor 🗸 🞩 All - - - All Surface - All

OXF103OX Oxford Urban 2,173 Minor 🗸 🗸 - - - - - SecureGW All All

PEG001PE Pegasus 4,005 Minor 🗸 🗸 All - - - All SecureGW All All

POY001PO Poyntz Road 205 Small 🗸 🞩 All - - - All Groundwater - All

RAN001RA Rangiora 17,130 Large 🗸 🗸 - - - - - SecureGW All All

WAI011KI Waikuku Beach 1,150 Minor 🗸 🞩 - - - - - Groundwater - -

WES004SU Summerhill 428 Small 🗸 🗸 All - - - All SecureGW All All

WES004WE West Eyreton 168 Small 🗸 🗸 All - - - All SecureGW All All

WOO002WO Woodend Town 2,678 Minor 🗸 🗸 - - - - - SecureGW All All

Christchurch City

Zone Code Distribution Zone Population Size Bacteria Protozoa Chlorination ClO2 Ozone UV Any Disinfection Sources Secure Disinfection/Secure

AKA001AK Akaroa 1,350 Minor 🗸 🞩 All - - - All Surface - All

BIR001BI Birdlings Flat 150 Small 🗸 🞩 - - - All All Groundwater - All

BRO012BR Brooklands / Kainga 1,600 Minor 🗸 🗸 - - - - - SecureGW All All

CHR001CE Central Christchurch 185,000 Large 🗸 🗸 - - - - - SecureGW All All

CHR001PA Parklands 16,000 Large 🗸 🗸 - - - - - SecureGW All All

CHR001RI Riccarton 10,000 Medium 🗸 🗸 - - - - - SecureGW All All

CHR001RP Rocky Point 2,500 Minor 🗸 🗸 - - - - - SecureGW All All

CHR001WE West Christchurch 42,000 Large 🗸 🗸 - - - - - SecureGW All All

CHR002CI Christchurch Int. Airport 6,000 Medium 🞩 🗸 - - - - - SecureGW All All

DUV001DU Duvauchelle 250 Small 🗸 🞩 All - - All All Surface - All

Zone Code Distribution Zone Population Size Bacteria Protozoa Chlorination ClO2 Ozone UV Any Disinfection Sources Secure Disinfection/Secure

LIT001LI Little River 240 Small 🗸 🞩 - - - All All Surface - All

LYT001DI Diamond Harbour 1,200 Minor 🗸 🗸 - - - - - SecureGW All All

LYT001GO Governors Bay 750 Minor 🗸 🗸 - - - - - SecureGW All All

LYT001LY Lyttelton 2,500 Minor 🗸 🗸 - - - - - SecureGW All All

NOR012CH Northwest Christchurch 80,000 Large 🗸 🞩 - - - - - Groundwater - -

OKA010OK Okains Bay 105 Small 🞩 🞩 - - - - - Surface - -

TAK002TA Takamatua 150 Small 🗸 🞩 All - - - All Surface - All

WAI138WA Wainui 200 Small 🗸 🗸 - - - - - 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 ClO2 Ozone UV Any Disinfection Sources Secure Disinfection/Secure

ART002AR Arthurs Pass 350 Small 🗸 🞩 - - - All All Surface - All

BUR001BU Burnham Camp 2,000 Minor 🞩 🗸 All - - - All SecureGW All All

CAS003CA Castle Hill 299 Small 🗸 🞩 All - - - All Surface - All

CLA005CL Claremont 170 Small 🗸 🗸 - - - - - SecureGW All All

DAR001DA Darfield 3,520 Minor 🗸 🗸 - - - - - SecureGW All All

DUN008DU Dunsandel & Sherwood Estate 480 Small 🗸 🞩 - - - All All Groundwater - All

EDE002ED Edendale, Sandy Knolls 180 Small 🗸 🞩 - - - - - Groundwater - -

JOH001JO Johnson Rd, West Melton 160 Small 🗸 🞩 - - - All All Groundwater - All

KIR001KI Kirwee 1,207 Minor 🗸 🗸 - - - - - SecureGW All All

LAK007LA Lake Coleridge 148 Small 🗸 🞩 - - - All All Surface - All

LEE001LE Leeston 2,350 Minor 🗸 🗸 - - - - - SecureGW All All

LIN002LI Lincoln 5,400 Medium 🗸 🗸 - - - - - SecureGW All All

MAL001DA Dalethorpe 183 Small 🗸 🞩 All - - All All Surface - All

MAL001MA Malvern Hills, Hartleys Rd 1,409 Minor 🞩 🞩 - - - All All Surface - All

PRE001PR Prebbleton 3,906 Minor 🗸 🗸 - - - - - SecureGW All All

RAK003RA Rakaia Huts 313 Small 🗸 🗸 - - - - - SecureGW All All

ROL001RO Rolleston 15,047 Large 🗸 🗸 - - - Some Some Groundwater Some Some

SEL001AC Acheron 240 Small 🗸 🞩 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 🗸 🞩 - - - - - Groundwater - -

SPR002SP Springfield 520 Minor 🞩 🞩 All - - - All Surface - All

SPR003SP Springston 510 Minor 🗸 🗸 - - - - - SecureGW All All

TAI009TA Tai Tapu 606 Minor 🗸 🗸 - - - - - SecureGW All All

WES010WE West Melton 1,800 Minor 🗸 🞩 - - - All All Groundwater - All

Ashburton District

Zone Code Distribution Zone Population Size Bacteria Protozoa Chlorination ClO2 Ozone UV Any Disinfection Sources Secure Disinfection/Secure

ASH003AS Ashburton 18,500 Large 🗸 🗸 All - - - All SecureGW All All

CHE002CH Chertsey 230 Small 🗸 🗸 All - - - All SecureGW All All

FAI001FA Fairton 210 Small 🗸 🗸 All - - - All SecureGW All All

HAK001HH Hakatere Upper 110 Small 🗸 🞩 All - - All All Groundwater - All

HIG002HI Highbank Society Water Supply 220 Small 🞩 🞩 - - - All All Groundwater - All

HIN001HI Hinds 340 Small 🗸 🗸 All - - - All SecureGW All All

LYN002LY Lyndhurst 250 Small 🞩 🗸 - - - - - SecureGW All All

MAY001MA Mayfield 160 Small 🗸 🗸 All - - - All SecureGW All All

MET001ME Methven 1,700 Minor 🗸 🞩 All - - All All Surface - All

MET002MS Methven/Springfield 178 Small 🗸 🞩 All - - All All Surface - All

MTS001MS Mt Somers Township 260 Small 🗸 🞩 All - - All All Surface - All

RAK001RA Rakaia Township 1,100 Minor 🗸 🗸 All - - - All SecureGW All All

Timaru District

Zone Code Distribution Zone Population Size Bacteria Protozoa Chlorination ClO2 Ozone UV Any Disinfection Sources Secure Disinfection/Secure

ARO002AO Arowhenua 215 Small 🞩 🞩 - - - - - Groundwater - -

DOW001ST Sutherlands/Taiko 3,500 Minor 🗸 🞩 All - - - All Surface - All

DOW001WR Waimate Rural 350 Small 🞩 🞩 All - - - All Surface - All

DOW001WT Waitohi/Totara Valley 700 Minor 🗸 🞩 All - - - All Surface - All

GER001GE Geraldine 2,121 Minor 🗸 🞩 - - - All All Groundwater - All

HAD001HA Hadlow 312 Small 🗸 🗸 All - All - All Surface - All

PAR002PA Pareora 450 Small 🗸 🗸 All - - All All Groundwater - All

PEE001PF Peel Forest 130 Small 🗸 🞩 All - - - All Groundwater - All

PLE001PP Pleasant Point 1,200 Minor 🗸 🞩 - - - All All Groundwater - All

SEA001SE Seadown 750 Minor 🗸 🞩 All - - All All Groundwater - All

STA004ST St Andrews 280 Small 🗸 🞩 All - - - All Groundwater - All

TEM001OR Orari 180 Small 🗸 🞩 All - - All All Groundwater - All

TEM001TE Temuka 3,984 Minor 🗸 🞩 All - - All All Groundwater - All

TEM001WI Winchester 260 Small 🗸 🞩 All - - All All Groundwater - All

TEM002GD Geraldine Downs 450 Small 🗸 🞩 Some - - Some All Mixed - All

TEM002GF Geraldine Flat 200 Small 🞩 🞩 Some - - Some All Mixed - All

TEM002TE Te Moana 1,000 Minor 🗸 🞩 All - - - All Surface - All

TIM001GL Gleniti 3,400 Minor 🗸 🗸 All - All - All Surface - All

TIM001TI Timaru 23,432 Large 🗸 🗸 All - All - All Surface - All

Mackenzie District

Zone Code Distribution Zone Population Size Bacteria Protozoa Chlorination ClO2 Ozone UV Any Disinfection Sources Secure Disinfection/Secure

ALB001AL Albury Rural 125 Small 🞩 🞩 - - - - - Surface - -

ALL001AL Allandale 150 Small 🗸 🞩 All - - - All Surface - All

FAI002FA Fairlie 850 Minor 🞩 🞩 All - - - All Groundwater - All

FAI002KI Kimbell 150 Small 🗸 🞩 All - - - All Groundwater - All

MTC001MT Mt Cook 350 Small 🗸 🗸 - - - All All Surface - All

TEK005TE Tekapo 500 Small 🞩 🞩 All - - All All Groundwater - All

TWI001TW Twizel 1,300 Minor 🗸 🞩 All - - All All Groundwater - All

Waimate District

Zone Code Distribution Zone Population Size Bacteria Protozoa Chlorination ClO2 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 🗸 🞩 All - - - All Groundwater - All

OTA005OM Otaio/Makikihi 430 Small 🞩 🗸 All - - - All SecureGW All All

WAI031WA Waihaorunga 141 Small 🗸 🞩 All - - - All Surface - All

WAI032WA Waikakahi 360 Small 🗸 🞩 All - - - All Surface - All

WAI033WA Waimate 3,000 Minor 🗸 🗸 All - - - All SecureGW All All

Waitaki District

Zone Code Distribution Zone Population Size Bacteria Protozoa Chlorination ClO2 Ozone UV Any Disinfection Sources Secure Disinfection/Secure

AWA001AW Awamoko 399 Small 🗸 🞩 All - - - All Surface - All

HAM002HA Hampden 237 Small 🗸 🞩 All - - - All Surface - All

HAM002MO Moeraki 264 Small 🗸 🞩 All - - - All Surface - All

HER001HE Herbert 670 Minor 🞩 🞩 All - - - All Surface - All

KAU001KA Kauru Hill 197 Small 🗸 🞩 All - - - All Surface - All

KUR001KU Kurow Township 330 Small 🗸 🗸 All - - All All Groundwater - All

LOW004LO Lower Waitaki 778 Minor 🗸 🗸 All - - All All Groundwater - All

MAH001MA Maheno 152 Small 🗸 🗸 - - - All All Groundwater - All

OAM001AR Oamaru, Ardgowan 252 Small 🗸 🗸 All - All - All Surface - All

OAM001CE Oamaru, Central 4,622 Minor 🗸 🗸 All - All - All Surface - All

OAM001KA Oamaru, Kakanui 520 Minor 🞩 🗸 All - All - All Surface - All

OAM001NE Oamaru, North End 2,234 Minor 🗸 🗸 All - All - All Surface - All

OAM001RR Oamaru, Reservoir Road 768 Minor 🗸 🗸 All - All - All Surface - All

OAM001SH Oamaru, South Hill 3,933 Minor 🗸 🗸 All - All - All Surface - All

OAM001WE Oamaru, Weston - Enfield 2,061 Minor 🗸 🗸 All - All - All Surface - All

OMA001OM Omarama Town 270 Small 🗸 🞩 All - - - All Groundwater - All

OTE001OT Otematata Hydro Village 195 Small 🞩 🞩 - - - All All Groundwater - All

TOK003TL Tokarahi/Livingstone 573 Minor 🗸 🞩 All - - - All Surface - All

WAI215DU Waihemo, Dunback Rural 229 Small 🗸 🗸 All - - All All Groundwater - All

WAI215GO Waihemo, Goodwood Rural 270 Small 🗸 🗸 All - - All All Groundwater - All

WAI215PA Waihemo, Palmerston Town 858 Minor 🗸 🗸 All - - All All Groundwater - All

WIN004WI Windsor 137 Small 🗸 🞩 All - - - All Surface - All

Central Otago District

Zone Code Distribution Zone Population Size Bacteria Protozoa Chlorination ClO2 Ozone UV Any Disinfection Sources Secure Disinfection/Secure

ALE001AL Alexandra 5,000 Minor 🗸 🞩 All - - - All Groundwater - All

ALE002BE Bennys 104 Small 🞩 🞩 - - - - - Groundwater - -

CLY001CL Clyde Township 1,000 Minor 🗸 🞩 All - - - All Groundwater - All

CRO001BA Bannockburn 400 Small 🗸 🞩 All - - - All Groundwater - All

CRO001CR Cromwell 4,000 Minor 🗸 🞩 All - - - All Groundwater - All

EAR002EA Earnscleugh Water Scheme 120 Small 🞩 🞩 - - - - - Groundwater - -

LAS003LA Last Chance 120 Small 🗸 🗸 - - - - - SecureGW All All

MIL006MI Millers Flat 210 Small 🗸 🗸 - - - All All Groundwater - All

NAS001NA Naseby 150 Small 🗸 🞩 All - - - All Surface - All

OMA005OM Omakau 350 Small 🗸 🞩 All - - - All Surface - All

PAT003PA Patearoa 260 Small 🗸 🞩 All - - - All Surface - All

PIS001PI Pisa Moorings 157 Small 🗸 🞩 - - - - - Groundwater - -

PIS002PI Pisa Village 250 Small 🗸 🞩 All - - All All Groundwater - All

RAN002RA Ranfurly 750 Minor 🗸 🞩 All - - - All Surface - All

ROX001RO Roxburgh 700 Minor 🗸 🞩 All - - All All Groundwater - All

Dunedin City

Zone Code Distribution Zone Population Size Bacteria Protozoa Chlorination ClO2 Ozone UV Any Disinfection Sources Secure Disinfection/Secure

DUN001BO Booth Road, Dunedin 37,036 Large 🗸 🗸 All - - - All Surface - All

DUN001GI Green Island 10,199 Large 🗸 🗸 All - - - All Surface - All

DUN001LL Low Levels/Peninsula, Dunedin 37,726 Large 🗸 🗸 All - - - All Surface - All

DUN001MH Maori Hill 13,785 Large 🗸 🗸 All - - - All Surface - All

DUN001PC Port Chalmers 2,469 Minor 🗸 🗸 All - - - All Surface - All

DUN001WI Wingatui, Dunedin 1,124 Minor 🗸 🗸 All - - - All Surface - All

MOS001EA East Taieri 300 Small 🗸 🗸 - - - - - SecureGW All All

MOS001KI Kinmont 341 Small 🗸 🗸 - - - - - SecureGW All All

MOS001QH Quarry Hill 9,535 Medium 🗸 🗸 - - - - - SecureGW All All

OUT001OU Outram Township 750 Minor 🗸 🗸 All - - All All Surface - All

WAI015WK Waikouaiti/Karitane/Seacliff 1,642 Minor 🗸 🗸 All - - - All Surface - All

WES002WE West Taieri Scheme 450 Small 🗸 🗸 All - - - All Surface - All

Clutha District

Zone Code Distribution Zone Population Size Bacteria Protozoa Chlorination ClO2 Ozone UV Any Disinfection Sources Secure Disinfection/Secure

BAL001BA Balclutha 3,918 Minor 🗸 🞩 All - - All All Surface - All

CLY005CL Clinton Township 285 Small 🗸 🞩 All - - - All Groundwater - All

CLY005RU Clydevale-Pomahaka Rural 493 Small 🗸 🞩 All - - - All Groundwater - All

GLE001GK Glenkenich Rural 705 Minor 🞩 🞩 All - - - All Surface - All

KAI005KA Kaitangata Township 762 Minor 🗸 🞩 All - - - All Surface - All

LAW001LT Lawrence 417 Small 🗸 🞩 All - - - All Surface - All

MIL001MT Milton 1,929 Minor 🗸 🞩 All - - - All Surface - All

MIL001OC Otago Corrections Facility 600 Minor 🗸 🞩 All - - - All Surface - All

MOA001MF Moa Flat Rural 534 Minor 🗸 🞩 All - - - All Surface - All

NOR003NB North Bruce Rural 658 Minor 🗸 🞩 All - - - All Surface - All

NOR003WT Waihola Township 270 Small 🞩 🞩 All - - - All Surface - All

OWA001OW Owaka 303 Small 🗸 🞩 All - - - All Groundwater - All

RIC009KA Kaka Point Township 222 Small 🗸 🞩 All - - - All Surface - All

RIC009NO Richardson Rural North 312 Small 🗸 🞩 All - - - All Surface - All

RIC009SO Richardson Rural South 469 Small 🗸 🞩 All - - - All Surface - All

STI002SB South Bruce Rural 434 Small 🗸 🞩 All - - - All Surface - All

STI002ST Stirling Township 303 Small 🗸 🞩 All - - - All Surface - All

TAP001TA Tapanui 726 Minor 🗸 🞩 All - - - All Surface - All

TUA004TW Tuapeka West Rural 283 Small 🗸 🞩 All - - - All Surface - All

WAI016B1 Balmoral 1 Rural 247 Small 🗸 🞩 All - - - All Surface - All

WAI016B2 Balmoral 2 Rural 399 Small 🗸 🞩 All - - - All Surface - All

WAI016TE Tuapeka East Rural 276 Small 🗸 🞩 All - - - All Surface - All

Queenstown Lakes District

Zone Code Distribution Zone Population Size Bacteria Protozoa Chlorination ClO2 Ozone UV Any Disinfection Sources Secure Disinfection/Secure

ARR001AR Arrowtown 3,587 Minor 🗸 🞩 - - - All All Groundwater - All

ART001AP Arthurs Point 1,248 Minor 🗸 🞩 - - - All All Groundwater - All

CAM008CA Camphill Estate 132 Small 🗸 🞩 - - - - - Groundwater - -

GLE003GL Glenorchy 1,232 Minor 🗸 🞩 - - - - - Groundwater - -

HAW002HA Hawea 2,444 Minor 🗸 🞩 - - - All All Groundwater - All

JAC002JA Jacks Point 600 Minor 🗸 🗸 All - - All All Surface - All

LAK003ES Lake Hayes Est & Shotover Ctry 799 Minor 🗸 🗸 All - - All All Groundwater - All

LAK003LH Lake Hayes 1,697 Minor 🗸 🗸 All - - All All Groundwater - All

LUG001LU Luggate 855 Minor 🗸 🞩 - - - - - Groundwater - -

QUE001KE Kelvin Heights 4,400 Minor 🗸 🞩 All - - Some All Surface - All

QUE001QU Queenstown 15,600 Large 🗸 🞩 All - - Some All Surface - All

WAN002AL Albert Town 506 Minor 🗸 🞩 All - - - All Surface - All

WAN002WA Wanaka 9,608 Medium 🗸 🞩 All - - - All Surface - All

WAN007WA Wanaka Airport 150 Small 🗸 🞩 - - - - - Groundwater - -

Gore District

Zone Code Distribution Zone Population Size Bacteria Protozoa Chlorination ClO2 Ozone UV Any Disinfection Sources Secure Disinfection/Secure

GOR001GO Gore 7,480 Medium 🞩 🞩 All - - - All Groundwater - All

MAT002MA Mataura 1,790 Minor 🞩 🞩 All - - - All Surface - All

OTA004OT Otama 300 Small 🗸 🞩 - - - - - Groundwater - -

Invercargill City

Zone Code Distribution Zone Population Size Bacteria Protozoa Chlorination ClO2 Ozone UV Any Disinfection Sources Secure Disinfection/Secure

INV001BL Bluff 2,956 Minor 🗸 🞩 All - - All All Surface - All

INV001IN Invercargill City 47,500 Large 🗸 🞩 All - - All All Surface - All

Southland District

Zone Code Distribution Zone Population Size Bacteria Protozoa Chlorination ClO2 Ozone UV Any Disinfection Sources Secure Disinfection/Secure

EDE001ED Edendale 558 Minor 🗸 🞩 All - - All All Groundwater - All

EDE001WY Wyndham 594 Minor 🗸 🞩 All - - All All Groundwater - All

LUM001BA Lumsden/Balfour Rural 608 Minor 🗸 🞩 All - - All All Groundwater - All

LUM001LU Lumsden 453 Small 🗸 🞩 All - - All All Groundwater - All

MAN006MA Manapouri 228 Small 🗸 🞩 All - - All All Surface - All

MIL007MI Milford Sound 350 Small 🞩 🞩 All - - - All Surface - All

MOS002MO Mossburn 201 Small 🗸 🞩 All - - All All Groundwater - All

OHA009NI Nightcaps 306 Small 🗸 🗸 All - - - All Surface - All

OHA009OH Ohai 303 Small 🗸 🗸 All - - - All Surface - All

OTA001OT Otautau 798 Minor 🗸 🞩 All - - All All Groundwater - All

RIV001RI Riverton 1,506 Minor 🗸 🞩 All - - - All Surface - All

TEA002TE Te Anau 2,628 Minor 🗸 🗸 All - - All All Groundwater - All

TUA001TU Tuatapere 561 Minor 🗸 🞩 All - - All All Groundwater - All

WIN001WI Winton 2,436 Minor 🗸 🞩 All - - All All Groundwater - All

1. 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. [↑](#footnote-ref-2)
2. 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. [↑](#footnote-ref-3)
3. 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. [↑](#footnote-ref-4)
4. Inadequate number of samples, sampled on too few days of the week and/or sampling exceeded the maximum number of days between samples. [↑](#footnote-ref-5)
5. 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. [↑](#footnote-ref-6)
6. Values are calculated using full-precision data rather than rounded figures from adjacent text. [↑](#footnote-ref-7)
7. 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. [↑](#footnote-ref-8)
8. *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. [↑](#footnote-ref-9)
9. <https://gazette.govt.nz/notice/id/2016-go5298> [↑](#footnote-ref-10)
10. Stage 1: <https://www.dia.govt.nz/Stage-1-of-the-Water-Inquiry>

    Stage 2: <https://www.dia.govt.nz/Government-Inquiry-into-Havelock-North-Drinking-Water> [↑](#footnote-ref-11)
11. World Health Organization. 2011. *Guidelines for Drinking-water Quality*. 4th Edition. Geneva. WHO Press. [↑](#footnote-ref-12)
12. Health (Deferral of General Application of Sections 69S to 69ZC) Order 2009. [↑](#footnote-ref-13)
13. Small suppliers do not have to keep records under section 69ZD(1) of the Act. [↑](#footnote-ref-14)