

Regional Quarry Compliance Monitoring  
Combined Biennial Report  
Northern quarries  
2016-2018

Technical Report 2018-101

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## Executive summary

This report for the period July 2016 to June 2018 describes the monitoring programme implemented by the Taranaki Regional Council (the Council) to assess the environmental and consent compliance performance of various quarrying operations across Taranaki during the period under review. The report also details the results of the monitoring undertaken and assesses the environmental effects of these activities.

At the end of the period being reported, there were 25 active quarries being monitored by the Council across the region. These quarries held a combined total of 50 resource consents, authorising various combinations of water discharges and abstractions, discharges of cleanfill and stream modifications.

For the purposes of compliance monitoring and reporting, the Council splits quarrying operations into two distinct geographic sub-groups (Northern and Southern). Each monitoring programme is reported on biennially.

The following report details monitoring work carried out in relation to Northern Quarries, which account for 12 of the region's 25 active quarries, as well as one quarry that was remediated during the monitoring period. This will be the third report to incorporate the monitoring results of this group of quarries.

The monitoring programmes for another 12 quarries (plus two since remediated) will be included in a separate biennial report (Southern Quarries compliance monitoring report), which also covers the period July 2016-June 2018. Civil Quarries Limited's Everett Road quarry is reported on separately.

For each quarry, this report describes the monitoring programmes implemented by the Council to assess environmental performance during the period under review, and the results and environmental effects of the quarry's activities.

### **During the monitoring period:**

**AA Contracting Limited demonstrated an overall high level of environmental performance.**

**Coastal Drainage Limited demonstrated an overall poor level of environmental performance.**

**Ferndene Quarries Limited demonstrated an overall high level of environmental performance.**

**GR & LJ Jones demonstrated an overall good level of environmental performance.**

**Gibson Family Trust – Newall Road demonstrated an overall high level of environmental performance.**

**Gibson Family Trust – Puniho Road demonstrated an overall high level of environmental performance.**

**Goodin AG Limited demonstrated an overall high level of environmental performance.**

**Jones Quarry Limited – Hydro Road demonstrated an overall high level of environmental performance.**

**Jones Quarry Limited - Uruti demonstrated an overall level of environmental performance that required improvement.**

**R J Dreaver Quarry and Cleanfill demonstrated an overall level of environmental performance that required improvement.**

**Taranaki Trucking Company Limited demonstrated an overall high level of environmental performance.**

**Whitaker Civil Engineering Limited Quarry demonstrated an overall high level of environmental performance.**

**Wiremu Road Quarry Limited demonstrated an overall high level of environmental performance.**

In the 2016-2017 year, consent holders were found to achieve a high level of environmental performance and compliance for 74% of the consents monitored through the Taranaki tailored monitoring programmes, while for another 21% of the consents, a good level of environmental performance and compliance was achieved.

In the 2017-2018 year, consent holders were found to achieve a high level of environmental performance and compliance for 76% of the consents monitored through the Taranaki tailored monitoring programmes, while for another 20% of the consents, a good level of environmental performance and compliance was achieved.

This report includes recommendations for the 2018-2020 monitoring period for each consent holder.

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# 1 Introduction

## 1.1 Compliance monitoring programme reports and the Resource Management Act 1991

### 1.1.1 Introduction

This report is the third combined biennial report by the Taranaki Regional Council (the Council) for the quarry monitoring programmes in the region. In the past there have been two biennial streams in which quarry monitoring programmes are reported (Figure 1). It was decided in the 2015-2017 combined quarry report that the grouping of quarries into groups A and B for reporting purposes be discontinued. Quarries in Taranaki are now managed and reported on in two groups, Northern quarries and Southern quarries, based on their physical location (Figure 2). All quarries are reported on biennially.



Figure 1 Previous reporting cycles for combined quarry groups 'A' and 'B'

This report covers the period from July 2016 to June 2018 and includes monitoring results for the Northern Quarries, which account for 12 of the region's 25 active quarries, as well as 1 quarry which was remediated during the monitoring period. The monitoring results for the Southern Quarries for the same monitoring period are contained in a separate biennial report. One quarry, Civil Quarries Limited's Everett Road Quarry, is reported on separately due to its scale and recent monitoring history.

This report covers the results and findings of the monitoring programmes implemented by the Council in respect of the resource consents associated with each quarry.

One of the intents of the *Resource Management Act 1991* (RMA) is that environmental management should be integrated across all media, so that a consent holder's use of water, air, and land should be considered from a single comprehensive environmental perspective. Accordingly, the Council generally implements integrated environmental monitoring programmes and reports the results of the programmes jointly. This report discusses the environmental effects of quarry consent holders' use of water, land, and air.

### 1.1.2 Structure of this report

**Section 1** of this report is a background section. It sets out general information about compliance monitoring under the RMA and the Council's obligations and general approach to monitoring and

evaluating sites through site specific programmes, the resource consents held by quarry operators in the region, and a description of the components of quarry monitoring programmes.

**Sections 2-14** of this report present the monitoring results and evaluate each site in terms of their administrative and environmental performance. These sections are presented in a 'report card' style which follows a standard format, as explained below:

1. A brief site description and quarry background is provided.
2. Associated resource consents are listed with basic details including key dates.
3. The monitoring programme components are summarised.
4. The company's environmental performance and administrative compliance is evaluated, including:
  - a. A summary of the company's performance, regarding the site and wider environment.
  - b. If necessary, any incidents, investigations or interventions that occurred during the monitoring period.
  - c. A direct assessment of the company's consent compliance over the monitoring period.
5. Any alterations or recommendations for subsequent monitoring are stipulated.
6. If there are any provisions for consent review, these will be considered.

The following resources are found at the end of this report:

- a glossary of common abbreviations and scientific terms
- a bibliography
- resource consents
- and biomonitoring reports

### 1.1.3 The Resource Management Act 1991 and monitoring

The RMA primarily addresses environmental 'effects' which are defined as positive or adverse, temporary or permanent, past, present or future, or cumulative. Effects may arise in relation to:

- a. the neighbourhood or the wider community around an activity, and may include cultural and social-economic effects;
- b. physical effects on the locality, including landscape, amenity and visual effects;
- c. ecosystems, including effects on plants, animals, or habitats, whether aquatic or terrestrial;
- d. natural and physical resources having special significance (for example recreational, cultural, or aesthetic);
- e. risks to the neighbourhood or environment.

In drafting and reviewing conditions on discharge permits, and in implementing monitoring programmes, the Council is recognising the comprehensive meaning of 'effects' inasmuch as is appropriate for each activity. Monitoring programmes are not only based on existing permit conditions, but also on the obligations of the RMA to assess the effects of the exercise of consents. In accordance with section 35 of the RMA, the Council undertakes compliance monitoring for consents and rules in regional plans, and maintains an overview of the performance of resource users and consent holders. Compliance monitoring, including both activity and impact monitoring, enables the Council to continually re-evaluate its approach and that of consent holders to resource management and, ultimately, through the refinement of methods and considered responsible resource utilisation, to move closer to achieving sustainable development of the region's resources.

### 1.1.4 Evaluation of environmental performance and administrative compliance

Besides discussing the various details of the performance and extent of compliance by the consent holder/s during the period under review, this report also assigns a rating as to each Company's environmental and administrative performance.

Environmental performance is concerned with actual or likely effects on the receiving environment from the activities during the monitoring year. Administrative compliance is concerned with the Company's approach to demonstrating consent compliance in site operations and management including the timely provision of information to Council (such as contingency plans and water take data) in accordance with consent conditions.

Events that were beyond the control of the consent holder and unforeseeable (that is a defence under the provisions of the RMA can be established) may be excluded with regard to the performance rating applied. For example loss of data due to a flood destroying deployed field equipment.

The categories used by the Council for this monitoring period, and their interpretation, are as follows:

#### Environmental Performance

**High** No or inconsequential (short-term duration, less than minor in severity) breaches of consent or regional plan parameters resulting from the activity; no adverse effects of significance noted or likely in the receiving environment. The Council did not record any verified unauthorised incidents involving significant environmental impacts and was not obliged to issue any abatement notices or infringement notices in relation to such impacts.

**Good** Likely or actual adverse effects of activities on the receiving environment were negligible or minor at most. There were some such issues noted during monitoring, from self reports, or in response to unauthorised incident reports, but these items were not critical, and follow-up inspections showed they have been dealt with. These minor issues were resolved positively, co-operatively, and quickly. The Council was not obliged to issue any abatement notices or infringement notices in relation to the minor non-compliant effects; however abatement notices may have been issued to mitigate an identified potential for an environmental effect to occur.

For example:

- High suspended solid values recorded in discharge samples, however the discharge was to land or to receiving waters that were in high flow at the time;
- Dust clouds beyond boundary but no residential properties or other recipient nearby.

**Improvement required** Likely or actual adverse effects of activities on the receiving environment were more than minor, but not substantial. There were some issues noted during monitoring, from self reports, or in response to unauthorised incident reports. Cumulative adverse effects of a persistent minor non-compliant activity could elevate a minor issue to this level. Abatement notices and infringement notices may have been issued in respect of effects.

**Poor** Likely or actual adverse effects of activities on the receiving environment were significant. There were some items noted during monitoring, from self reports, or in response to unauthorised incident reports. Cumulative adverse effects of a persistent moderate non-compliant activity could elevate an 'improvement required' issue to this level. Typically there were grounds for either a prosecution or an infringement notice in respect of effects.

#### Administrative performance

**High** The administrative requirements of the resource consents were met, or any failure to do this had trivial consequences and were addressed promptly and co-operatively.

**Good** Perhaps some administrative requirements of the resource consents were not met at a particular time, however these were addressed without repeated interventions from the Council staff. Alternatively adequate reason was provided for matters such as the no or late provision of information, interpretation of 'best practical option' for avoiding potential effects, etc.

**Improvement required** Repeated interventions to meet the administrative requirements of the resource consents were made by Council staff. These matters took some time to resolve, or remained unresolved at the end of the period under review. The Council may have issued an abatement notice to attain compliance.

**Poor** Material failings to meet the administrative requirements of the resource consents. Significant intervention by the Council was required. Typically there were grounds for an infringement notice.

For reference, in the 2016-2017 year, consent holders were found to achieve a high level of environmental performance and compliance for 74% of the consents monitored through the Taranaki tailored monitoring programmes, while for another 21% of the consents, a good level of environmental performance and compliance was achieved.

In the 2017-2018 year, consent holders were found to achieve a high level of environmental performance and compliance for 76% of the consents monitored through the Taranaki tailored monitoring programmes, while for another 20% of the consents, a good level of environmental performance and compliance was achieved.

### 1.1.5 Quarrying in Taranaki

Quarry consent holders operate at various locations throughout the region in differing catchments (Tables 1-3, Figure 2). In the past, a large percentage of aggregate production came from river-based sites within Taranaki. The Waiwhakaiho River supplied much of New Plymouth's requirements as far back as the 1950s with the Waitara River, Waiongana River, Kapuni Stream and Waingongoro River also providing a valuable source of aggregate. The aggregate source within these rivers was often over-utilised. The protective armouring of the boulders and gravel was removed in places, exposing the underlying erodible ash beds and creating deep, narrow channels which moved progressively upstream with no noticeable recovery. This brought about the need for the Shingle Extraction Bylaw introduced in 1974. Aggregate extraction from rivers was then controlled through the issue of permits accompanied by a set of conditions, with the removal of river-based aggregate being restricted to that for river control purposes only.

Historically, land-based sites required steady markets to compete with the easily won river-based extraction operations. However, in the early 1980s, due to the restriction placed on river-based aggregate extraction (and the completion of various major river control programmes and 'Think Big' projects) land-based sites became more widespread (Taranaki Regional Council, 1992).

Currently, there are 25 quarries in the region that are monitored by the Council. These quarries are generally located in a reasonable proximity to urban areas, from which the greatest demand for aggregate stems. Provision of aggregate to meet longer term demand will continue to be dominated by several large quarry operations. Extra demand on alluvial terraces and laharic deposits has occurred due to the controlled river bed extraction. These resources are of good quality and are relatively plentiful, although Taranaki aggregates are known to have a lower crushing strength (85 kN) than aggregates from most other parts of the country. Importation of various aggregates may need to continue to meet the requirement for aggregate types not available in Taranaki.

Quarrying and shingle extraction in Taranaki is covered by the RMA and, if the minerals in question are Crown owned, by the Crown Minerals Act 1991.

Regional councils have no control over the provision of exclusive rights to minerals. However, regional councils do have control over the environmental effects of aggregate extraction from river and lake beds,

and land in certain circumstances, and these controls may act as a constraint or limitation on allocation decisions.

Sections 15 and 30 of the RMA give regional councils responsibility for the discharge of contaminants into the environment. Discharges of water into water, contaminants onto or into land that may result in water contamination, and contaminants from industrial premises into air or onto/into land, may not take place unless expressly allowed by a rule in a regional plan, a resource consent, or regulations. Aggregate extraction usually involves washing aggregates, and therefore requires the discharge of wastes. Other discharges, such as emissions to air from crushing and processing plants, disposal of spoil and solid wastes, and discharges of stormwater are also the responsibility of regional councils.

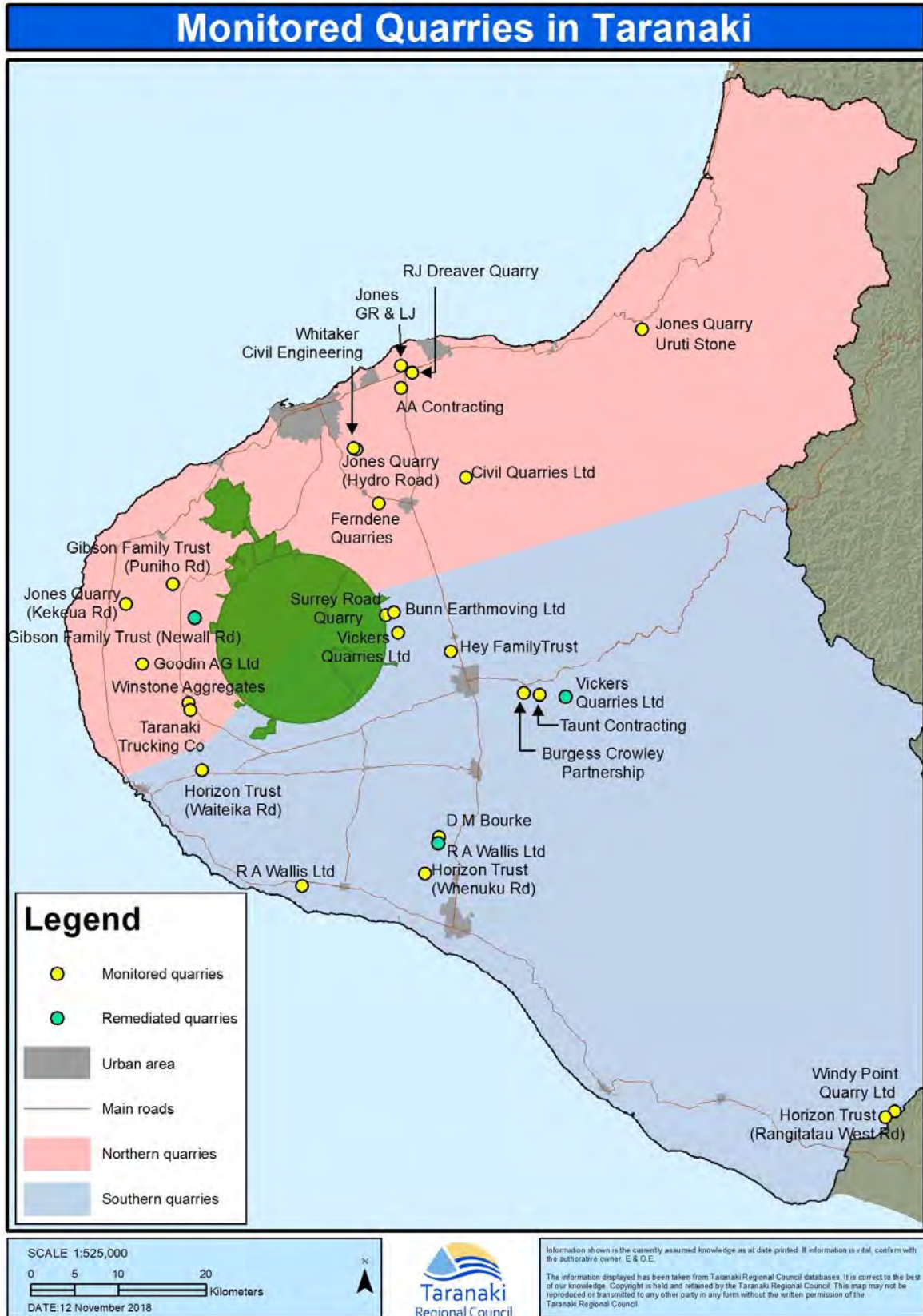


Figure 2 Map showing monitored quarrying locations in Taranaki



## 1.2 Resource consents

### 1.2.1 Water discharge permits

Section 15(1)(a) of the RMA stipulates that no person may discharge any contaminant into water, unless the activity is expressly allowed for by a resource consent or a rule in a regional plan, or by national regulations.

Sections 15(1)(b) and (d) of the RMA stipulate that no person may discharge any contaminant onto land if it may then enter water, or from any industrial or trade premises onto land under any circumstances, unless the activity is expressly allowed for by a resource consent, a rule in a regional plan, or by national regulations.

The main potential environment effect on waterways that quarries have is the discharges of stormwater and/or washwater containing high sediment concentrations into surface watercourses. Such discharges can result in discolouration of the waterways and may result in smothering of benthic life forms, form a barrier to fish movement and may affect fish spawning habitats.

All 25 monitored quarries in Taranaki hold resource consents to discharge water.

See tables 1-3 for a summary of the resource consents issued in relation to quarry operations in Taranaki.

### 1.2.2 Water abstraction permits

Section 14 of the RMA stipulates that no person may take, use, dam or divert any water, unless the activity is expressly allowed for by a resource consent or a rule in a regional plan, or it falls within some particular categories set out in Section 14.

There are eight monitored quarries in Taranaki that hold a water abstraction consent. Four of these quarries actively take water for use in quarry operations, the remaining four hold consents to take groundwater incidental to quarrying activity.

### 1.2.3 Discharges of wastes to land

Sections 15(1)(b) and (d) of the RMA stipulate that no person may discharge any contaminant onto land if it may then enter water, or from any industrial or trade premises onto land under any circumstances, unless the activity is expressly allowed for by a resource consent, a rule in a regional plan, or by national regulations. The Council permits as of right, some discharges to land (for example clean sand or soil or concrete to land, as occurs during re-instatement). Most other discharges require a resource consent.

At the end of the monitoring period six quarries in Taranaki held cleanfill discharge consents.

### 1.2.4 Summary of resource consents held for Taranaki quarries

A summary of resource consents held by Northern quarries (reported here, covering the 2016-2018 monitoring period) is presented in Table 1.

Table 1 Northern quarries current resource consents

| Consent holder  | Consent number | Consent type                    | Next review   | Location                   |
|---|----------------|---------------------------------|---|----------------------------|
| AA Contracting  | 5651-2         | D <sub>s</sub> , D <sub>w</sub> | 1 June 2032   | Te Arei Road, Lepperton    |
| <i>Coastal Drainage Limited</i><br>(Jones Quarry Limited) | 7552-1<br>---- | D <sub>s</sub>                  | <i>Surrendered</i><br>(Consent application being processed) | Kekeua Road, Warea         |
| Ferndene Quarries Limited                                 | 6453-1         | D <sub>s</sub>                  | Expires June 2020   | Upland Road, Tarurutangi   |
|   | 7089-1         | D <sub>c</sub>                  | 1 June 2020   | Upland Road, Tarurutangi   |
| GR and LJ Jones   | 6274-1         | D <sub>s</sub> , D <sub>w</sub> | Expires June 2020   | Mahoetahi Road, Waitara    |
|   | 7439-1         | D <sub>c</sub>                  | 1 June 2026   | Mahoetahi Road, Waitara    |
| <i>Gibson Family Trust, Newall Road</i>                   | 6441-1         | D <sub>c</sub>                  | <i>Surrendered</i>  | <i>Newall Road, Newall</i> |
| Gibson Family Trust, Puniho Road                          | 9547-1         | D <sub>s</sub>                  | Expires 1 June 2020   | Puniho Road, Okato         |
| Goodin AG Limited   | 6585-1         | D <sub>s</sub>                  | <b>Expires 1 June 2019</b>                                  | Kahui Road, Rahotu         |
| Jones Quarry Limited                                      | 3888-4         | D <sub>s</sub>                  | <b>31 December 2019</b>                                     | Hydro Road, New Plymouth   |
|   | 3912-4         | D <sub>w</sub>                  | 1 June 2020   | Hydro Road, New Plymouth   |
|   | 4912-2         | D <sub>c</sub>                  | 1 June 2020   | Hydro Road, New Plymouth   |
| Jones Quarry Uruti Stone Limited                          | 5124-2         | D <sub>s</sub>                  | 1 June 2021   | Main North Road, Uruti     |
|   | 6272-1.1       | D <sub>w</sub>                  | Expires June 2021   | Main North Road, Uruti     |
|   | 10143-1        | SM                              | 1 June 2021   | Mokau North Road, Uruti    |
|   | 10146-1        | T                               | 1 June 2021   | Mokau North Road, Uruti    |
| RJ Dreaver  | 9526-1         | D <sub>s</sub>                  | 1 June 2020   | Kairau Road, Brixton       |
|   | 9527-1         | D <sub>c</sub>                  | 1 June 2020   | Kairau Road, Brixton       |

| Consent holder                     | Consent number | Consent type                    | Next review    | Location                       |
|------------------------------------|----------------|---------------------------------|----------------|--------------------------------|
| Taranaki Trucking Company Limited  | 2293-3.1       | T                               | 1 June 2024    | Wiremu Road, Opunake           |
|                                    | 2184-3         | D <sub>w</sub>                  | 1 June 2024    | Wiremu Road, Opunake           |
| Whitaker Civil Engineering Limited | 7236-1         | D <sub>s</sub>                  | 1 June 2020    | Waiwhakaiho Road, New Plymouth |
|                                    | 0720-4         | D <sub>w</sub>                  | 1 June 2020    | Waiwhakaiho Road, New Plymouth |
|                                    | 3900-2         | D <sub>c</sub>                  | 1 June 2020    | Waiwhakaiho Road, New Plymouth |
| Winstone Aggregates Limited        | 1509-4         | D <sub>s</sub> , D <sub>w</sub> | 1 June 2024    | Wiremu Road, Opunake           |
|                                    | 1508-3         | T                               | <i>Expired</i> | Wiremu Road, Opunake           |
|                                    | 10583-1        | T                               | 1 June 2024    | Wiremu Road, Opunake           |

**KEY:** D<sub>s</sub> discharge treated stormwater D<sub>w</sub> discharge treated wash/wastewater  
D<sub>c</sub> discharge cleanfill T take water for quarrying purposes SM stream modifications

**Note:** Bold review dates occur prior to next biennial report (2018-2020)

Civil Quarries Limited holds the consents listed in Table 2, which are reported on separately due to the size of the monitoring programme.

Table 2 Resource consents held by Civil Quarries Limited

| Consent holder         | Consent number | Consent type   | Next review      | Location                |
|------------------------|----------------|----------------|------------------|-------------------------|
| Civil Quarries Limited | 1113-5         | D <sub>s</sub> | 31 December 2021 | Everett Road, Inglewood |
|                        | 10247-1        | T              | 31 December 2021 | Everett Road, Inglewood |

**KEY:** D<sub>s</sub> discharge treated stormwater T take water for quarrying purposes

Table 3 Resource consents held by southern Taranaki quarry operators

| Consent holder              | Consent number | Consent type   | Next review        | Location           |
|-----------------------------|----------------|----------------|--------------------|--------------------|
| Bunn Earthmoving Ltd        | 10527-1.0      | D <sub>s</sub> | 1 June 2021        | Surrey Road Tariki |
| Burgess Crowley Partnership | 7963-1         | D <sub>s</sub> | <b>1 June 2019</b> | East Rd, Stratford |
|                             | 7964-1         | IGT            | <b>1 June 2019</b> | East Rd, Stratford |
|                             | 6505-1         | D <sub>c</sub> | <b>1 June 2019</b> | East Rd, Stratford |

| Consent holder   | Consent number | Consent type                                       | Next review         | Location                      |
|--|----------------|--|---------------------|-------------------------------|
| CD Boyd Surrey Road Quarry                             | 6569-1         | D <sub>s</sub> , D <sub>w</sub>                    | Expires 1 June 2021 | Norfolk Rd, Inglewood         |
| D M Bourke   | 5001-2         | D <sub>s</sub>                                     | 1 June 2023         | Onewhaia Rd, Te Roti          |
|  | 9933-1         | D <sub>G</sub>                                     | 1 June 2023         | Onewhaia Rd, Te Roti          |
|  | 9934-1         | IGT  | 1 June 2023         | Onewhaia Rd, Te Roti          |
| Hey Family Trust Limited                               | 7123-1         | D <sub>s</sub>                                     | Expires 1 June 2022 | Monmouth Rd, Stratford        |
| Horizon Trust Management Limited, Rangitatau West Road | 9464-1         | D <sub>s</sub>                                     | 1 June 2022         | Rangitatau West Road, Maxwell |
| Horizon Trust Management Limited, Waiteika Road        | 7519-1         | D <sub>s</sub> , D <sub>w</sub>                    | Expires 1 June 2024 | Waiteika Rd, Opunake          |
|  | 7522-1         | C  | Expires 1 June 2024 | Waiteika Rd, Opunake          |
| Horizon Trust Management Limited, Whenuku Road         | 7845-1.1       | D <sub>s</sub> , D <sub>G</sub>                    | 1 June 2020         | Whenuku Rd, Hawera            |
|  | 10017-1        | SM   | 1 June 2023         | Whenuku Rd, Hawera            |
|  | 10018-1        | IGT  | 1 June 2023         | Whenuku Rd, Hawera            |
| Ravensdown Windy Point Quarry Limited                  | 9570-1         | D <sub>s</sub>                                     | 1 June 2022         | Rangitatau West Rd, Waitotara |
|  | 9972-1.2       | D <sub>c</sub>                                     | 1 June 2022         | Rangitatau West Rd, Waitotara |
| R A Wallis Limited, Lower Glenn Road                   | 9600-1         | D <sub>s</sub>                                     | 1 June 2023         | Lower Glenn Road, Manaia      |
|  | 10351-1.0      | SM   | 1 June 2023         | Lower Glenn Road, Manaia      |
| <i>R A Wallis Limited, Omahuru Road</i>                | <i>5719-1</i>  | <i>D<sub>s</sub>, D<sub>G</sub>, D<sub>w</sub></i> | <i>Expired</i>      | <i>Omahuru Road, Okaiawa</i>  |
| Taunt Contracting                                      | 5002-2         | D <sub>s</sub> , D <sub>w</sub>                    | 1 June 2022         | Bird Rd, Stratford            |
| Vickers Quarries Limited, York Road                    | 4905-3.1       | D <sub>s</sub> , D <sub>G</sub> , D <sub>w</sub>   | 1 June 2020         | York Road, Midhirst           |
|  | 5218-2.1       | D <sub>s</sub> , D <sub>G</sub>                    | 1 June 2020         | York Road, Midhirst           |
|  | 7360-1         | SM   | 1 June 2021         | York Road, Midhirst           |

| Consent holder                             | Consent number | Consent type                        | Next review        | Location                    |
|--|----------------|-------------------------------------|--------------------|-----------------------------|
|  | 7615-1         | <i>D<sub>C</sub></i>                | <i>Surrendered</i> | <i>York Road, Midhurst</i>  |
|  | 9850-1         | IGT                                 | 1 June 2020        | York Road, Midhurst         |
|  | 9812-1.1       | SM                                  | 1 June 2020        | York Road, Midhurst         |
| <i>Vickers Quarries Limited, Toko Road</i> | 3564-3         | <i>D<sub>S</sub>, D<sub>W</sub></i> | <i>Surrendered</i> | <i>Toko Road, Stratford</i> |

**KEY:** D<sub>S</sub> discharge treated stormwater D<sub>W</sub> discharge treated wash/wastewater D<sub>C</sub> discharge treated groundwater  
D<sub>C</sub> discharge cleanfill T take water IGT incidental groundwater take  
SM stream modifications C Culvert

**Note:** Bold review dates occur prior to next biennial report (2018-2020)

## 1.3 Monitoring programme overview

### 1.3.1 Introduction

Section 35 of the RMA sets out obligations upon the Council to gather information, monitor, and conduct research on the exercise of resource consents, and the effects arising, within the Taranaki region and report upon these.

The Council may therefore make and record measurements of physical and chemical parameters, take samples for analysis, carry out surveys and inspections, conduct investigations, and seek information from consent holders.

The monitoring programme for the quarries reported here may have consisted of up to four primary components.

### 1.3.2 Programme liaison and management

There is generally a significant investment of time and resources by the Council in:

- ongoing liaison with resource consent holders over consent conditions and their interpretation and application;
- in discussion over monitoring requirements;
- preparation for any reviews;
- renewals;
- new consents;
- advice on the Council's environmental management strategies and content of regional plans and;
- consultation on associated matters.

### 1.3.3 Site inspections

Each quarry is now subject to two physical inspections every monitoring year, with one inspection to occur during the summer months, and the other to occur during wet weather. With regard to consents for the abstraction of or discharge to water, the main points of interest are plant processes with potential or actual discharges to receiving watercourses, including contaminated stormwater and process wastewaters. Air inspections focus on plant processes with associated actual and potential emission sources and characteristics, including potential odour, dust, noxious or offensive emissions. Sources of data being

collected by the consent holder are also identified and accessed, so that performance in respect of operation, internal monitoring, and supervision can be reviewed by the Council. The neighbourhood is also surveyed for environmental effects.

### 1.3.4 Physicochemical sampling

The Council may undertake sampling of site discharges and sampling of the receiving environment where it is warranted. Sampling sites are selected on the basis that they enable an assessment of the effect of any discharges on the receiving environment. The range of parameters that samples are analysed for include conductivity, pH, suspended solids and turbidity. In some instances hydrocarbons may be analysed.

### 1.3.5 Data review

Some quarries hold resource consents which require them to record and provide the Council with water abstraction data. Council reviews these records to ensure that the required records are being kept and that the abstraction has been managed according to the requirements of the consent.

### 1.3.6 Biomonitoring surveys

Biological surveys may be performed in tributaries or streams neighbouring the quarry site to determine whether or not any discharges have had a detrimental effect upon the aquatic communities.

## 1.4 Investigations, interventions, and incidents

Each quarry monitoring programme was based on what was considered to be an appropriate level of monitoring, review of data, and liaison with the consent holder. During the period of monitoring matters may arise which require additional activity by the Council, for example provision of advice and information, or investigation of potential or actual courses of non-compliance or failure to maintain good practices. A pro-active approach that in the first instance avoids issues occurring is favoured.

The Council operates and maintains a register of all complaints or reported and discovered excursions from acceptable limits and practices, including non-compliance with consents, which may damage the environment. The Unauthorised Incident Register (UIR) includes events where the Company concerned has itself notified the Council. The register contains details of any investigation and corrective action taken.

Complaints may be alleged to be associated with a particular site. If there is potentially an issue of legal liability, the Council must be able to prove by investigation that the identified company is indeed the source of the incident (or that the allegation cannot be proven).

Unless otherwise stated in the site specific report card section, the Council was not required to undertake significant additional investigations and interventions, or record incidents, in association with the Company's conditions in resource consents or provisions in Regional Plans during the 2016-2018 period.

## 2 AA Contracting Limited – Arei Road 12<sup>th</sup> Compliance Monitoring Report 2017-2018

### 2.1 Introduction

AA Contracting Limited (the Company) operate a site at Te Arei Road, located on the true left bank of the Mangaoraka Stream in Lepperton, in the Waiongana catchment (Figure 3).

Stormwater is collected in a series of drains which are interconnected with the settling pond; the point of discharge into the Mangaoraka Stream is approximately 120 m from the pond through a deep drain. Silt is collected in the drain prior to discharge through a controlled exit point into the stream. The site is contoured and bunded so that stormwater is directed away from the stream to the drain. From July to August 2006, the Company deepened and augmented an existing sediment pond to cater for their stormwater discharges; this pond now has enough capacity to not only capture and treat stormwater but also for dealing with washwater when necessary.



Figure 3 AA Contracting Limited Quarry site

### 2.2 Resource consents

| Consent number | Purpose  | Granted     | Review      | Expires     |
|----------------|--|-------------|-------------|-------------|
| 5651-2         | To discharge treated stormwater and washwater from quarry operations into land and into the Mangaoraka Stream. | 18 May 2015 | 1 June 2020 | 1 June 2032 |

Copies of consents are included in Appendix I.

### 2.3 Compliance monitoring programme

The Council's monitoring programme for the Company includes three components, namely: programme liaison and management with consent holders, site inspections, and chemical sampling when required.



## 2.4 Environmental and administrative performance summary

Two inspections were undertaken at the Te Arei Road quarry (Photo 1) during the 2017-2018 period. The site was found to be generally well maintained and tidy during inspections, and all consent conditions were being complied with. No objectionable dust or odour effects were observed, bunding was well maintained and site contouring was adequately directing all contaminated runoff to the stormwater settlement ponds. It was noted on one inspection that works could be undertaken to clean some sediment out of the settlement ponds, otherwise no issues were noted.



Photo 1 AA Contracting Ltd Quarry pit July 2018

The Council monitors for possible effects on stream life by conducting a visual inspection of the discharge from the quarry and streambed both up and downstream of the quarry discharge point. Inspections of the site over the 2017-2018 monitoring period did not note any adverse effects occurring in the receiving waters.

A tabular summary of the Company's compliance record for the period under review is set out in Table 4.

Table 4 Summary of compliance with consent 5651-2.0 during the 2017-2018 monitoring period

| <b>Purpose: To discharge treated stormwater and washwater from quarry operations into land and into the Mangaoraka Stream.</b> |   |                             |
|--|---|-----------------------------|
| <b>Condition requirement</b>   | <b>Means of monitoring during period under review</b> | <b>Compliance Achieved?</b> |
| 1. No direct discharge of untreated stormwater   | Inspections of site and river                         | Yes                         |
| 2. All stormwater is directed for treatment  | Site inspections                                      | Yes                         |
| 3. Discharge outlet to prevent backflow from the stream into the settling pond.  | Site inspections                                      | Yes                         |



| <b>Purpose: To discharge treated stormwater and washwater from quarry operations into land and into the Mangaoraka Stream.</b>       |   |             |
|--|---|-------------|
| 4. Operate and maintain settling pond system to ensure consent conditions are met and discharge duration and frequency is minimised. | Consultation and inspection to ensure effective operations system | Yes         |
| 5. Treatment system banded to prevent inflow of surrounding stormwater   | Site inspections  | Yes         |
| 6. Progressive reinstatement of the quarry to minimise the area of exposed earth and stormwater catchment.                           | Site inspections  | Yes         |
| 7. Best practicable option to prevent or minimise adverse effects  | Site inspections  | Yes         |
| 8. Treated stormwater to comply with chemical limits prior to discharge into receiving waters.                                       | Sample collection   | Yes         |
| 9. Beyond the mixing zone, discharge shall not affect the physical characteristics of receiving waters of the Mangaoraka Stream.     | Inspections of the river  | Yes         |
| 10. Beyond the mixing zone, the discharge shall not breach turbidity limits.   | Inspections of the river  | Yes         |
| 11. Maintain and review contingency plan   | Contingency plan reviewed December 2013                           | Yes         |
| 12. Notification prior to any changes in processes or operations at the site   | Receipt of notification   | N/A         |
| 13. Review clause  | Option to review in June 2020                                     | N/A         |
| Overall assessment of consent compliance and environmental performance in respect of this consent                                    |   | <b>High</b> |
| Overall assessment of administrative performance in respect of this consent  |   | <b>High</b> |

Overall, the Company received a high rating for both their environmental and administrative performance in the monitoring period from 1 July 2017 to 30 June 2018, as all quarry activities were compliant with the specified consent conditions.

## 2.5 Alterations and recommendations for 2018-2020

It is proposed that for the 2018-2020 monitoring period that the programme is altered from that of 2017-2018. It is recommended that monitoring of discharges from AA Contracting Limited's Te Arei Road site in the 2018-2020 period be reduced to two inspections per year (one to occur during the summer months, and the other to occur during wet weather), with discharge samples to be collected if warranted.

### 3 Coastal Drainage Limited/Jones Quarry Limited – Kekeua Road 1<sup>st</sup> Compliance Monitoring Report 2017-2018

#### 3.1 Introduction

Kekeua Road quarry is located on the true right bank of the Mangaone Stream 7, off Kekeua Road, Warea (Figure 4, Photo 2). The quarry was granted a consent in 2009 but was not included on a monitoring programme until 2017, and had such been in breach of special conditions regarding the allowed size of the active quarry area. The consent was granted under Coastal Drainage Limited (the Company) but the quarry has been managed by Jones Quarry Limited in recent years. The Company have since surrendered their consent and Jones Quarry Limited are in the process of applying for a new consent for the now extended quarry. Stormwater for the site is currently being drained to a soak hole, with no active discharge to the nearby Mangaone Stream 7.



Figure 4 Map of Coastal Drainage/Jones Quarry Kekeua Road quarry, showing Mangaone Stream 7.



Photo 2 Kekeua Road quarry run by Jones Quarry Limited, February 2018

## 3.2 Resource consents

| Consent number | Purpose   | Granted         | Review             | Expires            |
|----------------|---|-----------------|--------------------|--------------------|
| 7552-1         | To discharge stormwater contaminated with sediment onto and into land from a quarry site. | 3 November 2009 | No further reviews | <i>Surrendered</i> |

Copies of consents are included in Appendix I.

## 3.3 Compliance monitoring programme

The Council's monitoring programme for the Company includes three components, namely: programme liaison and management with consent holders, site inspections, and chemical sampling when required.

## 3.4 Environmental and administrative performance summary

One inspection was undertaken at Kekeua Road quarry, which noted the size of the quarry to be approximately 4,600 m<sup>2</sup> where the Resource Consent conditions allow it to be 1,700 m<sup>2</sup>. As such the quarry was deemed to be non-compliant and advice was given to have the consent surrendered and a new consent issued under Jones Quarry Limited.

A tabular summary of the Company's compliance record for the period under review is set out in Table 5.

Table 5 Summary of compliance with consent 7552-1 during the 2017-2018 monitoring period

| Purpose: <i>To discharge stormwater contaminated with sediment onto and into land from a quarry site</i> |  |                      |
|--|--|----------------------|
| Condition requirement  | Means of monitoring during period under review | Compliance Achieved? |
| 1. Active area not to exceed 0.17 ha   | Site inspections                               | No                   |
| 2. Sediment pond regulations   | Site inspections                               | No                   |
| 3. Stabilisation with vegetation   | Site inspections                               | No                   |
| 4. Consent lapse 31 December 2014  | N/A  | N/A                  |
| 5. Review  | No further reviews                             | N/A                  |
| Overall assessment of consent compliance and environmental performance in respect of this consent        |  | <b>Poor</b>          |
| Overall assessment of administrative performance in respect of this consent                              |  | <b>N/A</b>           |

Overall, the Company received a poor rating for their environmental performance. Administrative performance was deemed not applicable due to the consent being surrendered in the monitoring period from 1 July 2017 to 30 June 2018.

## 3.5 Alterations and recommendations for 2018-2020

It is proposed that for the 2018-2020 monitoring period that the programme is altered from that of 2017-2018. It is recommended that monitoring of discharges from Jones Quarry Limited's Kekeua Road site in the 2018-2020 period be set to two inspections per year (one to occur during the summer months, and the other to occur during wet weather), with discharge samples to be collected if warranted.



## 4 Ferndene Quarries Limited

### 6<sup>th</sup> Compliance Monitoring Biennial Report 2016-2018

#### 4.1 Introduction

Ferndene Quarries Limited (the Company) operates a quarry situated on the true right of an unnamed tributary of the Mangaoraka Stream in the Waiongana catchment, at Upland Road, Egmont Village (Figure 5). Activities carried out on site include the extraction of aggregate, and the crushing, sorting and stockpiling of aggregate. No washing is undertaken on site, and consequently the only discharge from the site is stormwater. This stormwater is likely to contain suspended sediment, and may potentially carry hydrocarbons lost from the operating machinery.

This quarry began operating in 2004. At the extraction area, situated upstream of the Ferndene speedway, stormwater is collected at the bottom of the extraction pit. This is pumped from the pit to the first settling pond. Stormwater runoff also collects in a small pond at the entrance to the quarry, which is fed through a pipe to the first settling pond. The first settling pond feeds into the second settling pond, which is discharged through a weir to the unnamed tributary.



Figure 5 Ferndene Quarry site location map, showing unnamed tributary

## 4.2 Resource consents

| Consent number | Purpose  | Granted           | Review             | Expires     |
|----------------|--|-------------------|--------------------|-------------|
| 6453-1         | To discharge treated stormwater from quarrying and rock crushing operations onto and into land and into an unnamed tributary of the Mangaoraka Stream in the Waiongana catchment | 16 September 2004 | No further reviews | 1 June 2020 |
| 7089-1         | To discharge cleanfill onto and into land for quarry reinstatement purposes  | 2 April 2007      | June 2020          | 1 June 2026 |

Copies of consents are included in Appendix I.

## 4.3 Compliance monitoring programme

The Council's monitoring programme for the Company includes three components, namely: programme liaison and management with consent holders, site inspections, and chemical sampling when required.

## 4.4 Environmental and administrative performance summary

Six inspections were undertaken at the Upland Road quarry site within the 2016-2018 monitoring period. Generally the inspections found the site to be well managed, with no dust or odour issues detected beyond the site boundary. All stormwater was being diverted to the settlement ponds during heavy rain events. On one occasion in July 2018, the discharge was more turbid than expected and was causing discolouration in the immediate receiving water, but had dissipated by 40 m downstream. The sample results showed suspended solids were in compliance with conditions 9 and 11 of the resource consent. All other inspections noted a clear discharge with no impact on the receiving waters. During one inspection of the Cleanfill in October 2016, it was noted that a pile of tanalised timber had been delivered to the tip and instruction was given to remove these from site. Another inspection of the Cleanfill in July 2018 noted a significantly excess amount of rebar and an old mattress had been dumped. The Company was instructed to remove these items. All other inspections noted the Cleanfill contained inert material and was complying with resource consents.

The Council monitors for possible effects on stream life by conducting a visual inspection of the discharge from the quarry and streambed both up and downstream of the quarry discharge point. Inspections of the site over the 2016-2018 monitoring period did not note any adverse effects occurring in the receiving waters.

A tabular summary of the Company's compliance record for the period under review is set out in Tables 6-7.

**Table 6 Summary of compliance with consent 6453-1 during the 2016-2018 monitoring period**

| <b>Purpose: To discharge treated stormwater from quarrying and rock crushing operations onto and into land and into an unnamed tributary of the Mangaoraka Stream in the Waiongana catchment</b> |   |                             |
|--|---|-----------------------------|
| <b>Condition requirement</b>   | <b>Means of monitoring during period under review</b> | <b>Compliance Achieved?</b> |
| 1. Best practicable option   | Site inspections                                      | Yes                         |
| 2. Exercise of consent in accordance with application  | Site inspections                                      | Yes                         |

| <b>Purpose: To discharge treated stormwater from quarrying and rock crushing operations onto and into land and into an unnamed tributary of the Mangaoraka Stream in the Waiongana catchment</b> |   |             |
|--|---|-------------|
| 3. No direct discharge of untreated stormwater   | Inspections of treatment system and discharge point                                     | Yes         |
| 4. Bunding of site to contain contaminated waters  | Site inspections  | Yes         |
| 5. Take measures to prevent erosion of exposed areas   | Site inspections  | Yes         |
| 6. Progressive reinstatement of quarry   | Site inspections  | Yes         |
| 7. Maximum stormwater catchment  | Site inspections  | Yes         |
| 8. Management of the silt control structures   | Inspections of the silt control structures  | Yes         |
| 9. Concentration limits  | Inspections of discharge point and receiving water. Discharge and stream samples taken. | Yes         |
| 10. No effects on receiving water below mixing zone  | Inspections of receiving water  | Yes         |
| 11. Limits on turbidity & suspended solids   | Inspections of discharge point and receiving water. Discharge and stream samples taken. | Yes         |
| 12. Provision of site plan, stormwater management plan and contingency plan  | Plans received. Contingency plan due for review.  | Yes         |
| 13. Reinstatement of quarry  | Quarry still operating  | N/A         |
| 14. Consent lapse  | N/A   | N/A         |
| 15. Review   | This consent will expire in 2020  | N/A         |
| Overall assessment of consent compliance and environmental performance in respect of this consent  |   | <b>High</b> |
| Overall assessment of administrative performance in respect of this consent  |   | <b>High</b> |

In relation to consent 6453-1, the Company received a high rating for their environmental and administrative performance in the monitoring period from 1 July 2016 to 30 June 2018, as all quarry activities were compliant with the specified consent conditions.

**Table 7 Summary of compliance with consent 7089-1 over the 2016-2018 monitoring period**

| <b>Purpose: To discharge cleanfill onto and into land for quarry reinstatement purposes</b> |   |                             |
|---|---|-----------------------------|
| <b>Condition requirement</b>  | <b>Means of monitoring during period under review</b> | <b>Compliance Achieved?</b> |
| 1. Exercise of consent to be in accordance with information submitted                       | Site inspections                                      | Yes                         |
| 2. Materials permitted to be disposed of to cleanfill                                       | Site inspections                                      | Yes                         |

| <b>Purpose: To discharge cleanfill onto and into land for quarry reinstatement purposes</b>       |   |             |
|---|---|-------------|
| 3. Materials not permitted to be disposed of to cleanfill   | Site inspections – some tanalised timber, excess rebar and mattress to be removed from site | Yes         |
| 4. No contaminants entering water   | Inspections of site   | Yes         |
| 5. Maintain silt retention structures   | Inspections of site   | Yes         |
| 6. Install and maintain stormwater diversion drains   | Inspections of site   | Yes         |
| 7. Cleanfill management plan  | Received  | Yes         |
| 8. Adopt best practicable option  | Inspections of site   | Yes         |
| 9. Stabilisation and revegetation of site   | N/A   | N/A         |
| 10. Review  | Next optional review in June 2020   | N/A         |
| Overall assessment of consent compliance and environmental performance in respect of this consent |   | <b>High</b> |
| Overall assessment of administrative performance in respect of this consent                       |   | <b>High</b> |

In relation to consent 7089-1, the Company received a high rating for their environmental and administrative performance in the monitoring period from 1 July 2016 to 30 June 2018, as all cleanfill activities were assessed as compliant with the specified conditions of the consent.

Overall, for all consents held, the Company received a high rating for both their environmental and administrative performance for the monitoring period from 1 July 2016 to 30 June 2018. There were no incidents recorded that were associated with operations at the Upland Road Quarry or cleanfill site, and the site was tidy and well managed.

#### 4.5 Alterations and recommendations for 2018-2020

It is proposed that for the 2018-2020 monitoring period that the programme is altered from that of 2016-2018. It is recommended that monitoring of discharges from Ferndene Quarries Limited's Upland Road site in the 2018-2020 period be reduced to two inspections per year (one to occur during the summer months, and the other to occur during wet weather), with discharge samples to be collected if warranted.



## 5 GR & LJ Jones - Waitara

### 7<sup>th</sup> Compliance Monitoring Biennial Report 2016-2018

#### 5.1 Introduction

GR & LJ Jones (the consent holders) quarrying operation is located on the true right of the Mangaoraka Stream at Mahoetahi Road, Brixton, Waitara (Figure 6). The consent holders were granted consent to discharge stormwater and washwater from the site onto and into land and into an unnamed tributary of the Mangaoraka Stream in March 2004. To date, inspections have found no washing has been carried out at this site. In January 2009 the operator was also granted consent 7439-1 to discharge cleanfill onto and into land in the vicinity of the Mangaoraka Stream.

Since the commencement of quarrying at the site, the consent holders have set up a processing area, separate from where the extraction is taking place. The processing site is set up to direct the stormwater away from the unnamed tributary of the Mangaoraka Stream. Stormwater from the settling pond in the extraction pit, and stormwater from the base of the cleanfill is pumped to a network of drains that flow to a final settling pond before discharge to the unnamed tributary.



Figure 6 GR and LJ Jones Quarry site location map



## 5.2 Resource consents

| Consent number | Purpose  | Granted         | Review             | Expires     |
|----------------|--|-----------------|--------------------|-------------|
| 6274-1         | To discharge treated stormwater and treated washwater from quarrying and rock crushing operations onto and into land and into an unnamed tributary of the Mangaoraka Stream in the Waiongana catchment | 25 March 2004   | No further reviews | 1 June 2020 |
| 7439-1         | To discharge cleanfill onto and into land in the vicinity of the Mangaoraka Stream   | 27 January 2009 | June 2020          | 1 June 2026 |

Copies of consents are included in Appendix I.

## 5.3 Compliance monitoring programme

The Council's monitoring programme for the consent holder's quarry includes three components, namely: programme liaison and management with consent holders, site inspections, and chemical sampling when required.

## 5.4 Environmental and administrative performance summary

Eight compliance monitoring inspections and one incident investigation were undertaken at the Mahoetahi Road site within the 2016-2018 monitoring period. The cleanfill was operating within consent conditions on all seven inspections, having minimal effect on the surrounding environment. During the 2016-2017 monitoring period, upgrades to the water treatment system were made, to include a settling pond in the extraction pit and a final settling pond in the adjacent paddock, before discharge to the unnamed tributary. During the eight compliance monitoring inspections, the quarry was found to be compliant with consent conditions and when stormwater was discharging on four occasions, it was found to be clear and compliant. Suggestions from the Investigating Officers were to ensure bunding was maintained around the active area of the site, particularly around the truckwash and to clean out the stormwater pond in the processing area.

On 28 January 2017, during unrelated monitoring, it was found that the unnamed tributary of the Mangaoraka Stream at Mahoetahi Road was very discoloured. The incident investigation found sediment laden stormwater had been discharged into the unnamed tributary of the Mangaoraka Stream from quarrying operations at the site (Photos 2 and 3). Samples were not taken as discharge had been stopped before an Investigating Officer could reach the source. An abatement notice was issued, requiring the contravention of resource consent conditions to cease. The following compliance monitoring inspection showed compliance with resource consent conditions, so no further action was necessary.



Photo 3 High sediment discharge from GR & LJ Jones Quarry, 28 January 2017



Photo 4 Sediment laden discharge plume moving downstream, 28 January 2017

The Council monitors for possible effects on stream life by conducting a visual inspection of the discharge from the quarry and streambed both up and downstream of the quarry discharge point. Inspections of the site over the 2016-2018 monitoring period noted one instance of adverse effects occurring in the receiving water, due to high suspended solids reducing visual clarity.

A tabular summary of the consent holders' compliance record for the period under review is set out in Tables 8 and 9.

Table 8 Summary of compliance with consent 6274-1 over the 2016-2018 monitoring period

| <b>Purpose: To discharge treated stormwater and treated washwater from quarrying and rock crushing operations onto and into land and into an unnamed tributary of the Mangaoraka Stream in the Waiongana catchment</b> |   |                             |
|--|---|-----------------------------|
| <b>Condition requirement</b>   | <b>Means of monitoring during period under review</b>   | <b>Compliance Achieved?</b> |
| 1. Best practicable option   | Site inspections one incident recorded of untreated stormwater discharge  | No                          |
| 2. Exercise consent in accordance with documentation submitted   | Site inspections  | Yes                         |
| 3. No direct discharge of untreated stormwater   | Site inspections – one incident recorded of untreated stormwater discharge  | No                          |
| 4. Washwater treatment system to be bunded to prevent inflow of stormwater and groundwater   | Site inspections  | Yes                         |
| 5. Active quarry site to be bunded and all water directed to treatment system  | Site inspections  | Yes                         |
| 6. Control erosion and minimise sediment in the stormwater   | Inspections of stormwater system and excavation area  | Yes                         |
| 7. Operate and progressive reinstatement of the site   | Inspections of the excavation area  | Yes                         |
| 8. Stormwater catchment area to be no more than 2 ha   | Site inspections  | Yes                         |
| 9. Maintain and operate silt control structures  | Inspections of the silt control structures and stormwater discharge areas   | Yes                         |
| 10. Concentration limits in the discharge  | Observations – no samples taken   | No (observations)           |
| 11. Discharge shall not give rise to effects beyond the mixing zone  | Inspections of the stream, upstream and downstream of the discharge point – one incident of reduced visual clarity beyond the mixing zone | No                          |
| 12. Discharge must not increase turbidity by more than 50%   | Inspections of the tributary and the Mangaoraka Stream – no samples taken   | No                          |
| 13. Site plan, stormwater management plan, and contingency plan supplied   | Plans received. Please review contingency plan and advise of any updates.   | Yes                         |
| 14. Reinstatement on cessation of quarrying  | Quarry still operating  | N/A                         |
| 15. Consent lapse  | N/A   | N/A                         |
| 16. Review provision   | No further review dates   | N/A                         |
| Overall assessment of consent compliance and environmental performance in respect of this consent  |   | <b>Good</b>                 |
| Overall assessment of administrative performance in respect of this consent  |   | <b>High</b>                 |



In relation to consent 6274-1, the consent holders received a good rating for their environmental performance and a high rating for their administrative performance in the monitoring period from 1 July 2016 to 30 June 2018, as there was one recorded incident of non-compliance with the resource consent conditions.

**Table 9 Summary of compliance with consent 7439-1 over the 2016-2018 monitoring period**

| <b>Purpose: To discharge cleanfill onto and into land in the vicinity of the Mangaoraka Stream</b> |  |                             |
|--|--|-----------------------------|
| <b>Condition requirement</b>   | <b>Means of monitoring during period under review</b>      | <b>Compliance Achieved?</b> |
| 1. Disposal only to occur in pit area shown in appendix I  | Inspections of cleanfill site                              | Yes                         |
| 2. Materials permitted to be disposed of   | Inspections of cleanfill site                              | Yes                         |
| 3. Materials not permitted to be disposed of   | Inspections of cleanfill site                              | Yes                         |
| 4. Written approval required if unsure material is acceptable or not                               | No requests received regarding appropriateness of material | N/A                         |
| 5. Adopt best practicable option   | Inspections of cleanfill site                              | Yes                         |
| 6. Stabilisation and revegetation of site on completion of cleanfill operation                     | N/A – cleanfill still operating                            | N/A                         |
| 7. Consent lapse   | N/A  | N/A                         |
| 8. Review of consent   | Optional review date June 2020                             | N/A                         |
| Overall assessment of consent compliance and environmental performance in respect of this consent  |  | <b>High</b>                 |
| Overall assessment of administrative performance in respect of this consent                        |  | <b>High</b>                 |

In relation to consent 7439-1, the consent holders received a high rating for their environmental and administrative performance in the monitoring period from 1 July 2016 to 30 June 2018, as all cleanfill activities were assessed as compliant with the specified conditions of the consent.

Overall, for all consents held, the consent holders received a good rating for their environmental performance and a high rating for their administrative performance for the monitoring period from 1 July 2016 to 30 June 2018. There was one incident recorded that was associated with operations at the Mahoetahi Road Quarry, which resulted in an abatement notice. This was complied with in the required time frame. Overall, the quarry and cleanfill site was tidy and well managed.

## 5.5 Alterations and recommendations for 2018-2020

It is proposed that for the 2018-2020 monitoring period that the programme is altered from that of 2016-2018. It is recommended that monitoring of discharges from GR & LJ Jones' Mahoetahi Road site in the 2018-2020 period be reduced to two inspections per year (one to occur during the summer months, and the other to occur during wet weather), with discharge samples to be collected if warranted.

## 6 Gibson Family Trust – Newall Road

### 7<sup>th</sup> Compliance Monitoring Biennial Report 2017-2018

#### 6.1 Introduction

The Gibson Family Trust site at Newall Road is located on the true left bank of an unnamed tributary of the Teikaparua River, in the Teikaparua (Warea) catchment (Figure 7). The quarry was operated as Brian Crawford Contracting Limited from 2004, and was transferred to Gibson Family Trust (the consent holder) on 23 April 2015. The consent holder's quarry supplies aggregate to a mostly local market. No washing is performed on site and machinery is brought on site as required. The active quarry area is bunded and ring-drained to direct stormwater to the two stage settling pond system. Treated stormwater is discharged into the unnamed tributary through the overflow channel from pond 2.



Figure 7 Gibson Family Trust Newall Road Quarry site

#### 6.2 Resource consents

| Consent number | Purpose  | Granted          | Review                    | Expires     |
|----------------|--|------------------|---------------------------|-------------|
| 6441-1         | To discharge treated stormwater from a quarry onto and into land and into an unnamed tributary of the Warea (Teikaparua) River | 03 February 2005 | No further review options | 1 June 2019 |

Copies of consents are included in Appendix I.

#### 6.3 Compliance monitoring programme

The Council's monitoring programme for the consent holder includes three components, namely: programme liaison and management with consent holders, site inspections, and chemical sampling when required.

## 6.4 Environmental and administrative performance summary

Two compliance monitoring inspections and one final inspection were undertaken at the Newall Road quarry during the 2017-2018 period. There was no quarry work being undertaken at the time of inspections and the quarry was compliant with resource consent conditions. Process areas were appropriately bunded and contoured to direct all runoff to the stormwater settlement ponds. No dust or odour effects were observed, and no impacts on surface water bodies were observed. The final inspection on 20 August 2018 found the active quarry site to be reinstated and all sediment ponds had been backfilled. Piles of metal and the high wall had been left upon land owners request (Photo 5). The consent has been surrendered.



Photo 5 Reinstated Gibson Family Trust Newall Road site

The Council monitors for possible effects on stream life by conducting a visual inspection of the discharge from the quarry and streambed both up and downstream of the quarry discharge point. Inspections of the site over the 2017-2018 monitoring period did not note any adverse effects occurring in the receiving waters.

A tabular summary of the consent holder's compliance record for the period under review is set out in Table 10.

Table 10 Summary of compliance with consent 6441-1 during the 2017-2018 monitoring period

| <b>Purpose: To discharge treated stormwater from a quarry onto and into land and into an unnamed tributary of the Warea (Teikaparua) River</b> |   |                             |
|--|---|-----------------------------|
| <b>Condition requirement</b>   | <b>Means of monitoring during period under review</b> | <b>Compliance Achieved?</b> |
| 1. Best practicable option to prevent or minimise adverse effects  | Site inspections                                      | Yes                         |
| 2. Exercise the consent in accordance with the consent application and ensure consent conditions are met at all times.                         | Site inspections                                      | Yes                         |

| <b>Purpose: To discharge treated stormwater from a quarry onto and into land and into an unnamed tributary of the Warea (Teikaparua) River</b> |  |             |
|--|--|-------------|
| 3. No direct discharge of untreated stormwater   | Inspections of site and river                            | Yes         |
| 4. Contour the active quarry site so that all water is directed for treatment  | Site inspections   | Yes         |
| 5. Control erosion and minimise silt and sediment in the stormwater.   | Inspections of site and downstream of discharge point    | Yes         |
| 6. Progressive reinstatement of the quarry to minimise the area of exposed earth   | Site inspections   | Yes         |
| 7. Maximum stormwater catchment area   | Site inspections   | Yes         |
| 8. Operate and maintain silt control structures to maximise the treatment of stormwater.   | Site inspections   | Yes         |
| 9. Treated stormwater to comply with chemical limits prior to discharge into receiving waters.   | Sample collection  | N/A         |
| 10. Beyond the mixing zone, discharge shall not affect the physical characteristics of receiving waters.                                       | Inspections of the river                                 | Yes         |
| 11. Beyond the mixing zone, the discharge shall not increase turbidity of the receiving waters by more than 50%.                               | Inspections of the river and /or sample analysed for NTU | Yes         |
| 12. Fencing of tributary to exclude stock  | Site inspections   | Yes         |
| 13. Contingency plan requirement   | Contingency plan received January 2011                   | Yes         |
| 14. Prior to surrender of the consent the quarry site must be reinstated.  | Site inspection  | Yes         |
| 15. Lapse clause   | Consent has been exercised                               | N/A         |
| 16. Review clause  | No further options for review prior to expiry in 2019    | N/A         |
| Overall assessment of consent compliance and environmental performance in respect of this consent  |  | <b>High</b> |
| Overall assessment of administrative performance in respect of this consent  |  | <b>High</b> |

Overall, the consent holder received a high rating for both their environmental and administrative performance in the monitoring period from 1 July 2017 to 30 June 2018, as all quarry activities were compliant with the specified consent conditions.

## 6.5 Alterations and recommendations for 2018-2020

As the quarry has been closed and reinstated, the consent will be removed from the monitoring programme.



## 7 Gibson Family Trust – Puniho Road 3<sup>rd</sup> Compliance Monitoring Biennial Report 2017-2018

### 7.1 Introduction

Gibson Family Trust (the consent holder) operates a quarry on Puniho Road on the true right bank of an unnamed tributary of the Matanehunehu Stream, in the Matanehunehu catchment (Figure 8). The quarry is used to provide aggregate to the property for on farm development, and surplus aggregate supplies the local market. The primary stormwater control measures are earth bunding around the perimeter of the site and large soakage trenches inside the perimeter bunds, which hold water until it soaks into the ground. There has been a new pond installed prior to current ponds to collect stormwater from current working area. The quarry floor is covered in a thick layer of coarse aggregate metal, and slotted drainage pipes have been placed within the quarry floor and around the rear perimeter to redirect surface runoff to a soakhole. A single drainage pipe directs flow to the unnamed tributary of the Matanehunehu Stream.



Figure 8 Gibson Family Trust Puniho Road quarry site

### 7.2 Resource consents

| Consent number | Purpose   | Granted       | Review       | Expires     |
|----------------|---|---------------|--------------|-------------|
| 9547-1         | To discharge stormwater from a quarry site into an unnamed tributary of the Matanehunehu Stream | 16 April 2013 | 01 June 2016 | 1 June 2020 |

Copies of consents are included in Appendix I.



### 7.3 Compliance monitoring programme

The Council's monitoring programme for the consent holder includes three components, namely: programme liaison and management with consent holders and affected parties, site inspections, and chemical sampling when required.

### 7.4 Environmental and administrative performance summary

Three inspections were undertaken at the consent holder's Puniho Road quarry during the 2017-2018 period. Inspections noted the site is well bunded and the site floor directs water to the sediment ponds, which are working well. The ponds were discharging on one occasion and it was mostly clear stormwater. Site was tidy and well managed and the consent holder was assessed as being compliant with all consent conditions during the scheduled inspections (Photo 6).



Photo 6 Puniho Road quarry site showing processing equipment and stockpiles

The Council monitors for possible effects on stream life by conducting a visual inspection of the discharge from the quarry and streambed both up and downstream of the quarry discharge point. Inspections of the site over the 2017-2018 monitoring period did not note any adverse effects occurring in the receiving waters.

A tabular summary of the consent holder's compliance record for the period under review is set out in Table 9.

Table 11 Summary of compliance with consent 9547-1 over the 2017-2018 monitoring period

| <b>Purpose: To discharge stormwater from a quarry site into an unnamed tributary of the Matanehunehu Stream</b> |   |                             |
|---|---|-----------------------------|
| <b>Condition requirement</b>  | <b>Means of monitoring during period under review</b> | <b>Compliance Achieved?</b> |
| 1. Maximum stormwater catchment area  | Site inspections                                      | Yes                         |

| <b>Purpose: To discharge stormwater from a quarry site into an unnamed tributary of the Matanehunehu Stream</b> |                               |             |
|---|-------------------------------|-------------|
| 2. Run off from active quarry areas shall pass through settlement ponds or sediment traps                       | Site inspections              | Yes         |
| 3. Best practicable option to prevent or minimise adverse effects   | Site inspections              | Yes         |
| 4. Contour the active quarry site so that all water is directed for treatment                                   | Site inspections              | Yes         |
| 5. Beyond the mixing zone, discharge shall not affect the physical characteristics of receiving waters.         | Inspections of the river      | Yes         |
| 6. Implement and maintain a stormwater management plan  | Received 22 March 2013        | Yes         |
| 7. Notification prior to any changes in processes or operations at the site                                     | Receipt of notification       | N/A         |
| 8. Lapse clause   | Consent has been exercised    | N/A         |
| 9. Review clause  | Option to review in June 2016 | N/A         |
| Overall assessment of consent compliance and environmental performance in respect of this consent               |                               | <b>High</b> |
| Overall assessment of administrative performance in respect of this consent                                     |                               | <b>High</b> |

Overall, the consent holder received a high rating for both their environmental and administrative performance in the monitoring period from 1 July 2017 to 30 June 2018, as all quarry activities were compliant with the specified consent conditions.

## 7.5 Alterations and recommendations for 2018-2020

It is proposed that for the 2018-2020 monitoring period that the programme is altered from that of 2017-2018. It is recommended that monitoring of discharges from Gibson Family Trust's Puniho Road site in the 2017-2019 period be reduced to two inspections per year (one to occur during the summer months, and the other to occur during wet weather), with discharge samples to be collected if warranted.

## 8 Goodin AG Limited- Kahui Road 7<sup>th</sup> Compliance Monitoring Biennial Report 2017-2018

### 8.1 Introduction

The Goodin AG Limited site at Kahui Road is located on the true right bank of an unnamed tributary of the Pungaereere Stream, in the Pungaereere catchment, located in Rahoitu (Figure 9). The quarry was operated as Surf Highway Excavations from 2005, and was transferred to Goodin AG Limited (the Company) on 19 December 2014. The quarry excavates between 4,000-6,000 m<sup>3</sup>/year with no washing or crushing performed at this site. The metal is screened and trucked away. The quarry site is situated between two unnamed tributaries of the Pungaereere Stream. One tributary is 300 m north of the site, the other is over 70 m south of the site on the other side of Kahui Road. The active quarrying area is approximately 1 ha and slopes to the northwest where stormwater is directed into a pond to soak away.



Figure 9 Goodin AG Limited quarry site

### 8.2 Resource consents

| Consent number | Purpose  | Granted       | Review                        | Expires      |
|----------------|--|---------------|-------------------------------|--------------|
| 6585-1         | To discharge stormwater and sediment from earthworks associated with metal excavation onto and into land in the vicinity of an unnamed tributary of the Pungaereere Stream | 26 April 2005 | No further options for review | 01 June 2019 |



Copies of consents are included in Appendix I.

### 8.3 Compliance monitoring programme

The Council's monitoring programme for the Company includes three components, namely: programme liaison and management with consent holders, site inspections, and chemical sampling when required.

### 8.4 Environmental and administrative performance summary

Two inspections were undertaken at the Company's quarry during the 2017-2018 period. There was no activity occurring onsite during the inspections. One inspection was undertaken after rainfall and the site was discharging stormwater into an adjacent paddock; it was noted to be clear and compliant. The site was well maintained, generally tidy and visually compliant with resource consent conditions (Photo 7).



Photo 7 Goodin AG Limited quarry site

The Council monitors for possible effects on stream life by conducting a visual inspection of the discharge from the quarry and streambed both up and downstream of the quarry discharge point. Inspections of the site over the 2017-2018 monitoring period did not note any adverse effects occurring in the receiving waters.

A tabular summary of the Company's compliance record for the period under review is set out in Table 12.

Table 12 Summary of compliance with consent 6585-1 over the 2017-2018 monitoring period

| <b>Purpose: To discharge stormwater and sediment from earthworks associated with metal excavation onto and into land in the vicinity of an unnamed tributary of the Pungaereere Stream</b> |   |                             |
|--|---|-----------------------------|
| <b>Condition requirement</b>   | <b>Means of monitoring during period under review</b> | <b>Compliance Achieved?</b> |
| 1. Best practicable option to prevent or minimise adverse effects  | Site inspections                                      | Yes                         |
| 2. Provision of site erosion and sediment control management plan.   | Plan received on 22 March 2005                        | Yes                         |

| <b>Purpose: To discharge stormwater and sediment from earthworks associated with metal excavation onto and into land in the vicinity of an unnamed tributary of the Pungaereere Stream</b> |   |             |
|--|---|-------------|
| 3. Written notification requirement prior to works commencing  | Receipt of notification                               | N/A         |
| 4. Beyond the mixing zone, discharge shall not affect the physical characteristics of the receiving waters.  | Inspections of the river                              | Yes         |
| 5. Manage earthworks and discharge in accordance with consent application information.   | Site inspections                                      | Yes         |
| 6. Reinstatement of disturbed areas as soon as practicable   | Site inspections                                      | Yes         |
| 7. Lapse clause  | Consent has been exercised                            | N/A         |
| 8. Review clause   | No further options for review prior to consent expiry | N/A         |
| Overall assessment of consent compliance and environmental performance in respect of this consent  |   | <b>High</b> |
| Overall assessment of administrative performance in respect of this consent  |   | <b>High</b> |

Overall, the Company received a high rating for both their environmental and administrative performance in the monitoring period from 1 July 2017 to 30 June 2018, as all quarry activities were compliant with the specified consent conditions.

## 8.5 Alterations and recommendations for 2018-2020

It is recommended that the monitoring of Goodin AG Limited's Kahui Road quarry site in the 2018-2020 period continues at the same level as in 2017-2018, with one inspection to occur during the summer months, and the other to occur during wet weather. Discharge samples are to be collected if warranted.

## 9 Jones Quarry Limited – Hydro Road 23<sup>rd</sup> Compliance Monitoring Biennial Report 2017-2018

### 9.1 Introduction

Jones Quarry Limited's Hydro Road quarry is located on the true left bank of the Waiwhakaiho River, in the Waiwhakaiho catchment, approximately 3.5 km south east of New Plymouth on Hydro Road (Figure 10). The consents to operate the quarry and cleanfill for this site were transferred to Jones Quarry Limited (the Company) on 10 February 2015; prior to this the quarry has been operated as Graham Harris (2000) Limited, and New Plymouth Quarries Limited. Active quarrying and exposed areas are contoured and bunded to direct stormwater to treatment ponds prior to discharge. Reinstatement of excavated areas at the quarry is carried out using cleanfill.



Figure 10 Jones Quarry and Cleanfill site

### 9.2 Resource consents

| Consent number | Purpose   | Granted          | Review       | Expires     |
|----------------|---|------------------|--------------|-------------|
| 3888-4         | To discharge treated stormwater from a quarry site onto and into land and into the Waiwhakaiho River                  | 24 October 2014  | 01 June 2020 | 1 June 2032 |
| 3912-4         | To discharge treated washwater from shingle washing operations onto and into land and into the Waiwhakaiho River      | 24 October 2014  | 01 June 2020 | 1 June 2032 |
| 4912-2         | To discharge clean-fill onto and into land for quarry reinstatement purposes in the vicinity of the Waiwhakaiho River | 21 February 2008 | 01 June 2020 | 1 June 2026 |

Copies of consents are included in Appendix I.



### 9.3 Compliance monitoring programme

The Council's monitoring programme for the Company includes three components, namely: programme liaison and management with consent holders, site inspections, and chemical sampling when required.

### 9.4 Environmental and administrative performance summary

Three inspections were undertaken at the Company's Hydro Road quarry during the 2017-2018 period (Photo 8). Inspections of the stormwater system after rainfall showed all water directed to the pond system and discharge was running clear. It was noted that it was good to see low points along the access track were well banded, preventing runoff to the river. One inspection of the washwater system showed runoff was contained and directed to the pond system; wash plant was not operating during other inspections. During one inspection of the cleanfill, it was noted there were large amounts of tanalised wood and some tin present (Photo 9). The Company was advised that these items need to be removed and that if found in future the Company could face enforcement action. Cleanfill discharge during all inspections was clear.



Photo 8 Hydro Road quarry and cleanfill from site entrance



Photo 9 Tanalised Cleanfill material to be removed to comply with consent conditions



The Council monitors for possible effects on stream life by conducting a visual inspection of the discharge from the quarry and streambed both up and downstream of the quarry discharge point. Inspections of the site over the 2017-2018 monitoring period did not note any adverse effects occurring in the receiving waters.

A tabular summary of the Company's compliance record for the period under review is set out in Tables 13-15.

**Table 13 Summary of compliance with consent 3888-4.0 over the 2017-2018 monitoring period**

| <b>Purpose: To discharge treated stormwater from a quarry site onto and into land and into the Waiwhakaiho River</b>  |   |                             |
|---|---|-----------------------------|
| <b>Condition requirement</b>  | <b>Means of monitoring during period under review</b>             | <b>Compliance Achieved?</b> |
| 1. No direct discharge of untreated stormwater  | Inspections of site and river                                     | Yes                         |
| 2. All stormwater directed through settling ponds prior to discharge  | Site inspections  | Yes                         |
| 3. Discharge outlet to prevent backflow from the river into the settling pond.  | Site inspections  | Yes                         |
| 4. Operate and maintain settling pond system to ensure consent conditions are met and discharge duration and frequency is minimised   | Consultation and inspection to ensure effective operations system | Yes                         |
| 5. Treatment system bunded to prevent inflow of surrounding stormwater  | Site inspections  | Yes                         |
| 6. Progressive reinstatement of the quarry to minimise the area of exposed earth and stormwater catchment area.   | Site inspections  | Yes                         |
| 7. Best practicable option to prevent or minimise adverse effects   | Site inspections  | Yes                         |
| 8. Concentration limits for discharge prior to entering receiving waters.   | Discharge samples. None taken this period.                        | N/A                         |
| 9. Beyond the mixing zone, discharge shall not affect the physical characteristics of receiving waters.   | Inspections of the river  | Yes                         |
| 10. Beyond the mixing zone (dependant on upstream NTU measurement), the discharge shall not increase the suspended solids concentration beyond 10 gm <sup>-3</sup> or increase turbidity of the Waiwhakaiho River by more than 50%. | Inspections of the river. No samples taken this period.           | Yes                         |
| 11. Maintain and regularly review a contingency plan.   | Review received September 2018                                    | Yes                         |
| 12. Notification prior to any changes in processes or operations at the site.   | No changes  | Yes                         |
| 13. Review clause   | Next review available in June 2020                                | N/A                         |

| <b>Purpose: To discharge treated stormwater from a quarry site onto and into land and into the Waiwhakaiho River</b> |             |
|--|-------------|
| Overall assessment of consent compliance and environmental performance in respect of this consent                    | <b>High</b> |
| Overall assessment of administrative performance in respect of this consent  | <b>High</b> |

In relation to consent 3888-4, the Company received a high rating for their environmental and administrative performance in the monitoring period from 1 July 2017 to 30 June 2018, as all quarry activities were compliant with the specified consent conditions.

Table 14 Summary of compliance with consent 3912-4.0 over the 2017-2018 monitoring period

| <b>Purpose: To discharge treated washwater from shingle washing operations onto and into land and into the Waiwhakaiho River</b>   |   |                             |
|--|---|-----------------------------|
| <b>Condition requirement</b>   | <b>Means of monitoring during period under review</b>             | <b>Compliance Achieved?</b> |
| 1. No direct discharge of untreated washwater.   | Inspections of site and river                                     | Yes                         |
| 2. All washwater directed through settling ponds prior to discharge.   | Site inspections  | Yes                         |
| 3. Discharge outlet to prevent backflow from the river into the settling pond.   | Site inspections  | Yes                         |
| 4. Operate and maintain settling pond system to ensure consent conditions are met and discharge duration and frequency is minimised.   | Consultation and inspection to ensure effective operations system | Yes                         |
| 5. Treatment system bunded to prevent inflow of surrounding stormwater.  | Site inspections  | Yes                         |
| 6. Progressive reinstatement of the quarry to minimise the area of exposed earth and stormwater catchment area.  | Site inspections  | Yes                         |
| 7. Best practicable option to prevent or minimise adverse effects  | Site inspections  | Yes                         |
| 8. Concentration limits for discharge prior to entering receiving waters.  | Discharge samples. None taken this period.                        | N/A                         |
| 9. Beyond the mixing zone, discharge shall not affect the physical characteristics of receiving waters.  | Inspections of the river  | Yes                         |
| 10. Beyond the mixing zone, the discharge shall not increase the suspended solids concentration beyond 10gm <sup>-3</sup> or increase turbidity of the Waiwhakaiho River by more than 50% (dependant on upstream NTU measurement). | Inspections of the river, no samples taken this period.           | Yes                         |
| 11. Maintain and regularly review a contingency plan.  | Review received September 2018                                    | Yes                         |
| 12. Notification prior to any changes in processes or operations at the site.  | No changes  | Yes                         |

| <b>Purpose: To discharge treated washwater from shingle washing operations onto and into land and into the Waiwhakaiho River</b> |                                    |             |
|--|------------------------------------|-------------|
| 13. Review clause  | Next review available in June 2020 | N/A         |
| Overall assessment of consent compliance and environmental performance in respect of this consent                                |                                    | <b>High</b> |
| Overall assessment of administrative performance in respect of this consent  |                                    | <b>High</b> |

In relation to consent 3912-4, the Company received a high rating for their environmental and administrative performance in the monitoring period from 1 July 2017 to 30 June 2018, as all quarry activities were compliant with the specified consent conditions.

Table 15 Summary of compliance with consent 4912-2 over the 2017-2018 monitoring period

| <b>Purpose: To discharge clean-fill onto and into land for quarry reinstatement purposes in the vicinity of the Waiwhakaiho River</b> |   |                             |
|---|---|-----------------------------|
| <b>Condition requirement</b>  | <b>Means of monitoring during period under review</b> | <b>Compliance Achieved?</b> |
| 1. Consent shall be exercised in accordance with application.   | Site inspections                                      | Yes                         |
| 2. Only clean-fill and/or inert materials may be discharged.  | Site inspections. Tanalised wood and tin was present. | No                          |
| 3. Prohibited contaminants must not be discharged.  | Site inspections. Tanalised wood and tin was present. | No                          |
| 4. In cases of uncertainty regarding a contaminant, written approval must be obtained from the Council prior to discharge.            | Approval obtained                                     | N/A                         |
| 5. No clean-fill to be discharged within 20 m of the bank of the Waiwhakaiho River.   | Site inspections                                      | Yes                         |
| 6. Discharge to land shall not result in any clean-fill material entering surface water.  | Site inspections                                      | Yes                         |
| 7. Discharge to be monitored to ensure compliance   | Site inspections. Tanalised wood and tin was present. | No                          |
| 8. After hours site access restriction.   | Site inspections                                      | Yes                         |
| 9. Provision of management plan   | Management plan received 8 February 2008              | Yes                         |
| 10. Site remediation requirement  | Site inspection                                       | N/A                         |
| 11. Consent holder to educate other people discharging to site to ensure consent compliance.  | Site inspections                                      | Yes                         |
| 12. Lapse clause  | Consent exercised                                     | N/A                         |
| 13. Review clause   | Next review available in June 2020                    | N/A                         |

**Purpose: To discharge clean-fill onto and into land for quarry reinstatement purposes in the vicinity of the Waiwhakaiho River**

|   |             |
|---|-------------|
| Overall assessment of consent compliance and environmental performance in respect of this consent | <b>Good</b> |
| Overall assessment of administrative performance in respect of this consent                       | <b>High</b> |

In relation to consent 4912-2, the Company received a good rating for their environmental performance and a high rating for their administrative performance in the monitoring period from 1 July 2017 to 30 June 2018, as there were some unauthorised materials present that were to be removed upon verbal agreement.

Overall, for all consents held, the Company received a high rating for both their environmental and administrative performance for the monitoring period from 1 July 2017 to 30 June 2018. There was one incident associated with the cleanfill site, but in general Jones Quarry was tidy and well managed.

## 9.5 Alterations and recommendations for 2018-2020

It is proposed that for the 2018-2020 monitoring period that the programme is altered from that of 2017-2018. It is recommended that monitoring of discharges from Jones Quarry Limited's Hydro Road site in the 2018-2020 period be reduced to two inspections per year (one to occur during the summer months, and the other to occur during wet weather), with discharge samples to be collected if warranted.

## 10 Jones Quarry Uruti Stone Limited – Uruti 7<sup>th</sup> Compliance Monitoring Biennial Report 2016-2018

### 10.1 Introduction

Jones Quarry Uruti Stone Limited (the Company) operates a small quarry at Uruti, having taken over management from Valley Minerals Limited during the monitoring period covered by this report. The site has been in operation since 1929 and until 2001, was used primarily as a source of metal for local roads first by the Clifton County Council and later, the New Plymouth District Council. The site is located on a farm adjacent to State Highway 3 in Uruti, North Taranaki and on the true left bank of the Mimi River (Figure 11).

A dam, fed by two unnamed tributaries of the Mimi River, with an approximate catchment area of 75 ha, is located upstream of the processing site, with the overflow discharging into the unnamed tributary of the Mimi River. The site generally slopes towards this unnamed tributary, into which the treated stormwater and washwater discharge. The unnamed tributary flows through the site, under State Highway 3, into the Mimi River approximately 650 m downstream of the stormwater discharge point. The Mimi River flows into the coast approximately 15 km from this confluence.

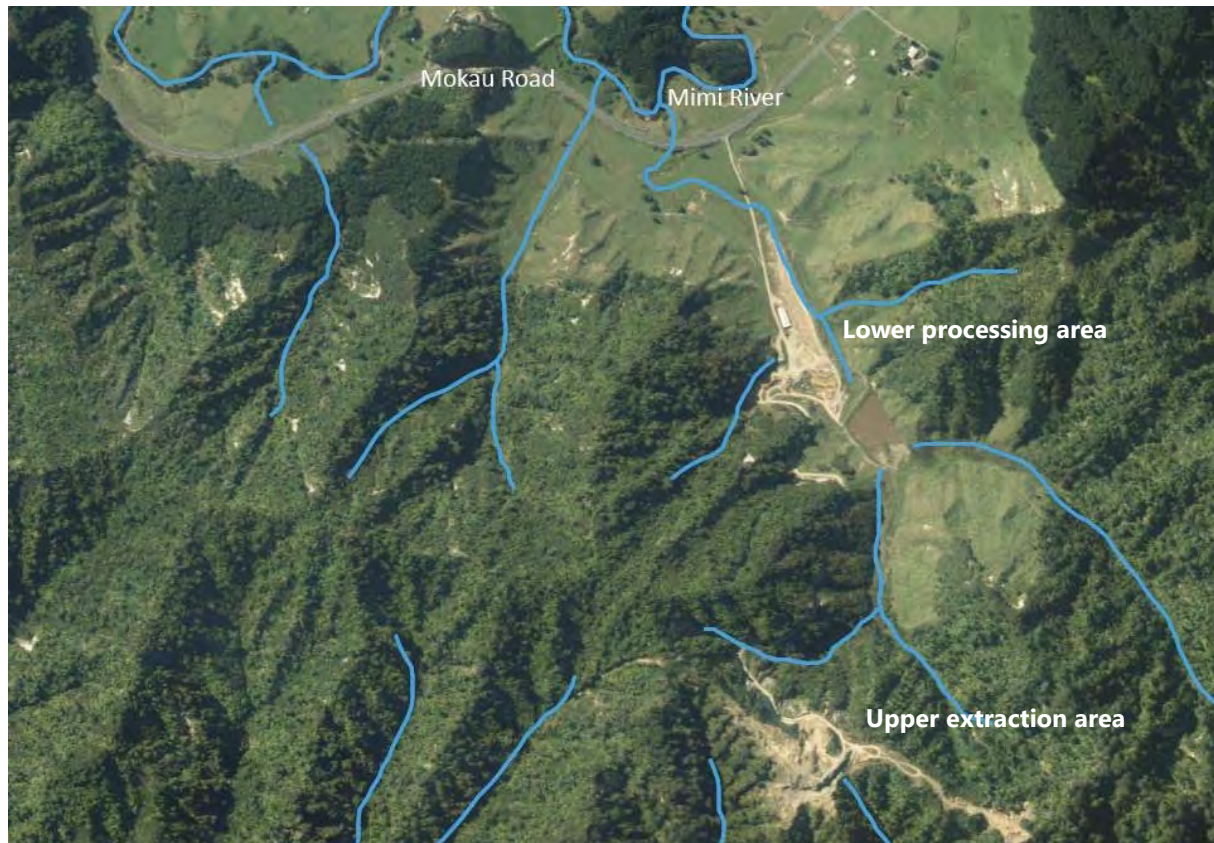


Figure 11 Uruti Quarry site location

The Company extracts predominantly unconsolidated, gravel wash material for use in exposed aggregate concrete and similar ornamental building products, and in this respect differs from nearly all other quarries in Taranaki. The Company's active quarry site located in the hills covers approximately 3 ha, while the processing site at the base of the hills is approximately 2 ha. Aggregate excavated from the deposits is screened, washed and stockpiled for loading out. A new stockpile is to be built near the site's Mokau Road boundary. Water used to wash the aggregate is sourced from a nearby reservoir located in the headwaters of an unnamed tributary of the Mimi River. Washwater is recycled back into the dam via a series of



settlement ponds and grassed areas used for filtering the water. There is a level spreading bar at the discharge point from the dam, which ensures only the cleaner surface water is being discharged to the unnamed tributary.

## 10.2 Resource consents

| Consent number | Purpose   | Granted          | Review                       | Expires     |
|----------------|---|------------------|------------------------------|-------------|
| 5124-2         | To discharge stormwater from a quarry site onto and into land and into an unnamed tributary of the Mimi River and dam | 4 September 2015 | 01 June 2021,<br>1 June 2027 | 1 June 2033 |
| 6272-1.1       | To discharge treated washwater from a quarry site into an unnamed tributary of the Mimi River and dam.                | 4 September 2015 | No further reviews           | 1 June 2021 |
| 10143-1        | To use an earth dam in an unnamed tributary of the Mimi River   | September 2015   | 01 June 2021,<br>1 June 2027 | 1 June 2033 |
| 10146-1        | To take and use water from an earth dam in an unnamed tributary of the Mimi River                                     | 4 September 2015 | 01 June 2021,<br>1 June 2027 | 1 June 2033 |

Copies of consents are included in Appendix I.

## 10.3 Compliance monitoring programme

The Council's monitoring programme for the Company includes three components, namely: programme liaison and management with consent holders, site inspections, and chemical sampling when required.

## 10.4 Environmental and administrative performance summary

Seven inspections and one incident investigation were undertaken at the Uruti site within the 2016-2018 monitoring period. The compliance monitoring inspections carried out between September 2016 and July 2017 were under Valley Minerals management. A new processing plant was delivered and raw material processing was moved to the lower half of the quarry. An incident investigation on 14 December 2016 was carried out in response to a public complaint that a discharge into the Mimi stream was causing discolouration (Photo 10). It was found that the quarry was discharging sediment laden water due to a fault in the stormwater system, which was not equipped to handle recent heavy rain events. Samples, photos and videos were taken, which showed a breach in special conditions 4, 7, 8 and 9b of consent 5124-2. An infringement notice was issued.



Photo 10 Jones Quarry Uruti Stone Limited's (Valley Mineral's at the time) contaminated water discharge flowing into the Mimi River, 14 December 2016.

The following inspection showed compliance with consent conditions and discussions were had around upgrading retention ponds and maintenance to be undertaken on the dam. The final inspection before Jones Quarry took ownership, showed deterioration of the site due to inactivity. Non-compliance was given due to erosion onsite resulting in discharge of contaminants, which may enter the unnamed tributary, as well as lack of reinstatement of quarried areas.

Inspections undertaken between February and May 2018 were under Jones Quarry ownership and showed great improvements to site maintenance, stormwater treatment system upgrades and installation of cut off drains on tracks to minimise erosion. Advice was given to ensure cut off drains were at regular intervals and cleaned out as necessary. The sediment ponds were being cleaned out and sediment stored in areas that would not result in discharge to surface water. The current stormwater system will work well provided it is regularly maintained and monitored. During inspections, the discharge water was clear and compliant.

The Council monitors for possible effects on stream life by conducting a visual inspection of the discharge from the quarry and streambed both up and downstream of the quarry discharge point. Inspections of the site over the 2016-2018 monitoring period noted one instance of adverse effects occurring in the receiving water, due to high suspended solids reducing visual clarity.

A tabular summary of the Company's compliance record for the period under review is set out in Tables 16-17.

Table 16 Summary of compliance with consent 5124-2 over the 2016-2018 monitoring period

| <b>Purpose: To discharge stormwater from a quarry site onto and into land and into an unnamed tributary of the Mimi River and dam</b> |  |                             |
|---|--|-----------------------------|
| <b>Condition requirement</b>  | <b>Means of monitoring during period under review</b>                                      | <b>Compliance Achieved?</b> |
| 1. Exercise consent in accordance with consent application information  | Site inspections   | Yes                         |
| 2. Exercise consent in accordance with supplied management plans  | Site inspections   | Yes                         |
| 3. Site management plan supplied  | Plan received August 2015 but does not provide enough detail as outlined by this condition | No                          |
| 4. Best practicable option  | Site inspections   | No                          |
| 5. Operate and progressive reinstatement of the site  | Inspections of the excavation area   | No                          |
| 6. Stormwater catchment area to be no more than 2 ha at the lower site and 3 ha at the upper site                                     | Site inspections   | Yes                         |
| 7. Concentration limits in the discharge  | Observations and sampling of stormwater discharge  | No                          |
| 8. Discharge shall not give rise to effects beyond the mixing zone  | Inspections of the stream, upstream and downstream of the discharge point                  | No                          |
| 9. Discharge must not increase turbidity by more than 50%   | Inspections and sampling of the tributary and the Mimi River                               | No                          |
| 10. Site contingency plan maintained  | No plans on file   | No                          |
| 11. Consent holder to notify prior to operational changes   | No notifications received  | N/A                         |
| 12. Review provision  | Next review date 2021  | N/A                         |
| Overall assessment of consent compliance and environmental performance in respect of this consent                                     |  | <b>Improvement Required</b> |
| Overall assessment of administrative performance in respect of this consent   |  | <b>Good</b>                 |

Table 17 Summary of compliance with consent 6272-1.1 over the 2016-2018 monitoring period

| <b>Purpose: To discharge treated washwater from a quarry site into an unnamed tributary of the Mimi River and dam</b> |  |                             |
|---|--|-----------------------------|
| <b>Condition requirement</b>  | <b>Means of monitoring during period under review</b>                                      | <b>Compliance Achieved?</b> |
| 1. Exercise consent in accordance with consent application information  | Site inspections   | Yes                         |
| 2. Exercise consent in accordance with supplied management plan   | Site inspections   | Yes                         |
| 3. Site management plan supplied  | Plan received August 2015 but does not provide enough detail as outlined by this condition | No                          |
| 4. No direct discharge of untreated washwater   | Observations and sampling of stormwater discharge  | No                          |
| 5. Consent holder to implement re-circulatory systems   | Site inspections   | Yes                         |
| 6. Best practicable option  | Site inspections   | No                          |
| 7. Concentration limits in the discharge  | Observations and sampling of stormwater discharge  | No                          |
| 8. Discharge shall not give rise to effects beyond the mixing zone  | Inspections of the stream, upstream and downstream of the discharge point                  | No                          |
| 9. Discharge must not increase turbidity by more than 50%   | Inspections and sampling of the tributary and the Mimi River                               | No                          |
| 10. Site contingency plan maintained  | No plans on file   | No                          |
| 11. Consent holder to notify prior to operational changes   | No notifications received  | N/A                         |
| 12. Review provision  | No further review dates  | N/A                         |
| Overall assessment of consent compliance and environmental performance in respect of this consent                     |  | <b>Improvement Required</b> |
| Overall assessment of administrative performance in respect of this consent   |  | <b>Improvement Required</b> |

In relation to consents 5124-2 and 6272-1.1, the Company received a rating of improvement required for both their environmental and administrative performance in the monitoring period from 1 July 2016 to 30 June 2018. This was due to two instances of non-compliant discharges and delays in transfer of consents. In addition, an adequate stormwater and washwater management and a contingency plan are yet to be submitted.

Table 18 Summary of compliance with consent 10143-1 over the 2016-2018 monitoring period

| <b>Purpose: To use an earth dam in an unnamed tributary of the Mimi River</b>                     |   |                 |
|---|---|-----------------|
| <b>Condition requirement</b>  | <b>Means of monitoring during period under review</b> | <b>Achieved</b> |
| 1. Exercise consent in accordance with consent application information                            | Site inspections                                      | Yes             |
| 2. Dam location condition   | Site inspections                                      | Yes             |
| 3. Dam height to not exceed 3 metres  | Site inspections                                      | Yes             |
| 4. Dam spillway to be no less than 2.5 metres wide  | Site inspections                                      | Yes             |
| 5. The dam crest to invert of the spillway to be no less than 1.5 metres high                     | Site inspections                                      | Yes             |
| 6. Consent holder to notify prior to undertaking remedial works on the dam                        | No works undertaken                                   | N/A             |
| 7. Spillway to be maintained at all times   | Site inspections                                      | Yes             |
| 8. Review clause.   | Next review date 2021                                 | N/A             |
| Overall assessment of consent compliance and environmental performance in respect of this consent |   | <b>High</b>     |
| Overall assessment of administrative performance in respect of this consent                       |   | <b>High</b>     |

In relation to consent 10143-1, the Company received a high rating for their environmental and administrative performance in the monitoring period from 1 July 2016 to 30 June 2018, as the dam was compliant with the specified consent conditions, although the transfer of consent holder has yet to be completed.

Table 19 Summary of compliance with consent 10146-1 over the 2016-2018 monitoring period

| <b>Purpose: To take and use water from an earth dam in an unnamed tributary of the Mimi River</b> |   |                             |
|---|---|-----------------------------|
| <b>Condition requirement</b>  | <b>Means of monitoring during period under review</b> | <b>Compliance Achieved?</b> |
| 1. Restricts abstraction rates and volumes  | Abstraction data not received                         | No                          |
| 2. Low flow water take restriction  | Abstraction data not received                         | No                          |
| 3. Best practicable option  | Site inspections                                      | Yes                         |
| 4. Recording and annual supply of abstraction data  | Site inspections                                      | No                          |
| 5. Intake to be screened  | Site inspections                                      | Yes                         |



| <b>Purpose: To take and use water from an earth dam in an unnamed tributary of the Mimi River</b> |                       |                             |
|---|-----------------------|-----------------------------|
| 6. Review clause.   | Next review date 2021 | N/A                         |
| Overall assessment of consent compliance and environmental performance in respect of this consent |                       | <b>Improvement Required</b> |
| Overall assessment of administrative performance in respect of this consent                       |                       | <b>Improvement Required</b> |

In relation to consent 10146-1, the Company received a rating of improvement required for their environmental and administrative performance in the monitoring period from 1 July 2016 to 30 June 2018, as no records of abstraction have been submitted to Council and visual inspections indicated rate of taking likely to exceed consent limits. It is acknowledged that the Company are in discussion with the Council in regards to how best to monitor water take in a circulatory system.

Overall, for all consents held, the consent holder received a rating of improvement required for both their environmental and administrative performance for the monitoring period from 1 July 2016 to 30 June 2018. It is acknowledged that the Uruti quarry has changed ownership during the monitoring period and the Council has begun to see improvements in the management and maintenance of the site.

## 10.5 Alterations and recommendations for 2018-2020

It is proposed that for the 2018-2020 monitoring period that the programme is altered from that of 2016-2018. It is recommended that monitoring of discharges from Jones Quarry Uruti Stone Limited's Uruti site in the 2018-2020 period be reduced to two inspections per year (one to occur during the summer months, and the other to occur during wet weather), with discharge samples to be collected if warranted.

Recommendations for improved consent ratings:

- Maintain and closely monitoring stormwater systems to ensure no discharges of contaminated water
- Prepare and submit a comprehensive Stormwater and Washwater Management Plan, which fulfils the requirements of special condition 3 of consents 5124-2 and 6272-1.1. A template can be found at <https://trc.govt.nz/council/plans-and-reports/resource-user-guidance/business-and-industry/>
- Prepare and submit a contingency plan as per special condition 10 of consents 5124-2 and 6272-1.1. A template can be found at the above address
- Install a verified flowmeter to comply with special conditions 1, 2 and 4 of consent 10146-1.

## 11 R J Dreaver Quarry and Cleanfill – Kairau Road 3<sup>rd</sup> Compliance Monitoring Report 2017-2018

### 11.1 Introduction

R J Dreaver Quarry and Cleanfill site at Kairau Road near Brixton, is located on the true right bank of the Waiongana Stream in the Waiongana catchment (Figure 12).

On-site stormwater is directed to a central collection area. This is then pumped to a series of three settlement ponds. An outlet control on the last pond regulates flow to the tributary, which flows into the Waiongana Stream. Aggregate washing does not take place on-site and crushing only occurs when sand is required for a particular job (a crusher is brought on-site for this purpose).



Figure 12 R J Dreaver Quarry and Landfill site

### 11.2 Resource consents

| Consent number | Purpose  | Granted       | Review      | Expires     |
|----------------|--|---------------|-------------|-------------|
| 9526-1         | To discharge stormwater from a quarry site into an unnamed tributary of the Waiongana Stream | 25 March 2013 | 1 June 2020 | 1 June 2032 |
| 9527-1         | To discharge cleanfill onto and into land and into water.                                    | 25 March 2013 | 1 June 2020 | 1 June 2032 |

Copies of consents are included in Appendix I.

### 11.3 Compliance monitoring programme

The Council's monitoring programme for the quarry includes three components, namely: programme liaison and management with consent holders, site inspections, and chemical sampling when required.

## 11.4 Environmental and administrative performance summary

Four inspections were undertaken at the R J Dreaver Quarry and Cleanfill during the 2017-2018 period, two of these were compliance monitoring inspections and two were investigations in response to complaints. The compliance monitoring inspections were undertaken during and after heavy rainfall; it was noted that the stormwater system was coping well with the conditions and the ponds were not discharging at the time. A comment was made to consider the area where the hose discharges into the pond as there is potential for erosion on the pond wall. At the time of inspection, the cleanfill was visually compliant.

On 26 August 2017 there was a complaint received regarding dust discharging beyond the access track of the quarry, during truck movements, at Kairau Road East, Brixton. No enforcement action was taken as there were no truck movements at the time of inspection, however the quarry owner agreed to apply dust suppression the following day. On 12 June 2018 a complaint was received regarding sediment being discharged into the Waiongana Stream. An investigation found that the discharge from R J Dreaver Quarry was causing discolouration in the receiving environment, which is a breach of special condition 7 of the resource consent, and resulted in an infringement notice being issued. Samples were taken and the results showed compliance with suspended solid concentration limits.

The Council monitors for possible effects on stream life by conducting a visual inspection of the discharge from the quarry and streambed both up and downstream of the quarry discharge point. Inspections of the site over the 2017-2018 monitoring noted one instance of adverse effects on the receiving waters, in relation to an incident.

A tabular summary of the R J Dreaver quarry site compliance record for the period under review is set out in Tables 20-21.

**Table 20 Summary of compliance with consent 9526-1 over the 2017-2018 monitoring period**

| <b>Purpose: To discharge stormwater from a quarry site into an unnamed tributary of the Waiongana Stream</b>                                |  |                             |
|---|--|-----------------------------|
| <b>Condition requirement</b>  | <b>Means of monitoring during period under review</b>      | <b>Compliance Achieved?</b> |
| 1. Maximum active quarry area   | Site inspections   | Yes                         |
| 2. Runoff from exposed quarry areas to pass through treatment systems that meet the minimum capacity requirements specified in the consent. | Site inspections   | Yes                         |
| 3. Progressive reinstatement of exposed earth area as soon as is practicable.   | Site inspections   | Yes                         |
| 4. Best practicable option to prevent or minimise adverse effects.  | Site inspections   | Yes                         |
| 5. Contour and bund the active quarry site so that all water is directed for treatment  | Site inspections   | Yes                         |
| 6. Suspended solid concentration limits of discharge.   | Sample collection  | Yes                         |
| 7. Beyond the mixing zone, discharge shall not affect the physical characteristics of receiving waters.                                     | Inspections of the river. Once instance of non-compliance. | No                          |

| <b>Purpose: To discharge stormwater from a quarry site into an unnamed tributary of the Waiongana Stream</b> |                                    |                             |
|--|------------------------------------|-----------------------------|
| 8. Lapse clause  | Consent exercised                  | N/A                         |
| 9. Review clause   | Next review available in June 2020 | N/A                         |
| Overall assessment of consent compliance and environmental performance in respect of this consent            |                                    | <b>Improvement Required</b> |
| Overall assessment of administrative performance in respect of this consent                                  |                                    | <b>High</b>                 |

In relation to consent 9526-1, R J Dreaver received a rating of improvement required for their environmental performance and a high rating for their administrative performance in the monitoring period from 1 July 2017 to 30 June 2018, as there was one incident of non-compliant discharge.

Table 21 Summary of compliance with consent 9527-1 over the 2017-2018 monitoring period

| <b>Purpose: To discharge cleanfill onto and into land and into water</b>  |   |                             |
|---|---|-----------------------------|
| <b>Condition requirement</b>  | <b>Means of monitoring during period under review</b> | <b>Compliance Achieved?</b> |
| 1. Discharge shall only occur in the area specified in the consent.   | Site inspections                                      | Yes                         |
| 2. Only clean-fill and/or inert materials may be discharged.  | Site inspections                                      | Yes                         |
| 3. Prohibited contaminants must not be discharged.  | Site inspections                                      | Yes                         |
| 4. In cases of uncertainty regarding a contaminant, written approval must be obtained from the Council prior to discharge.                    | Approval obtained                                     | N/A                         |
| 5. Contact between groundwater and biodegradable materials will be prevented, and a flow path for groundwater to exit the fill area provided. | Site inspections                                      | Yes                         |
| 6. Installation and maintenance of silt retention structures at the toe of the cleanfill discharge area.                                      | Site inspections                                      | Yes                         |
| 7. Installation and maintenance of stormwater diversion drains to minimise stormwater in the discharge area.                                  | Site inspections                                      | Yes                         |
| 8. Best practicable option to prevent or minimise adverse effects.  | Site inspections                                      | Yes                         |
| 9. Site remediation requirement   | Site inspection                                       | Yes                         |
| 10. Lapse clause  | Consent exercised                                     | N/A                         |
| 11. Review clause   | Next review available in June 2020                    | N/A                         |

| <b>Purpose: <i>To discharge cleanfill onto and into land and into water</i></b>                   |             |
|---|-------------|
| Overall assessment of consent compliance and environmental performance in respect of this consent | <b>High</b> |
| Overall assessment of administrative performance in respect of this consent                       | <b>High</b> |

In relation to consent 9527-1, R J Dreaver received a high rating for their environmental and administrative performance in the monitoring period from 1 July 2017 to 30 June 2018, as all cleanfill activities were assessed as compliant with the specified conditions of the consent.

Overall, for all consents held, R J Dreaver received a rating of improvement required for their environmental performance and high rating for their administrative performance for the monitoring period from 1 July 2017 to 30 June 2018. There was one incident recorded, resulting in enforcement action being undertaken, and one other investigation required in response to a public complaint. The Company has agreed to put in place measures to control the flow of stormwater discharge to prevent future non-compliances.

### 11.5 Alterations and recommendations for 2018-2020

It is proposed that for the 2018-2020 monitoring period that the programme is altered from that of 2017-2018. It is recommended that monitoring of discharges RJ Dreaver's Kairau Road site in the 2018-2020 period be reduced to two inspections per year (one to occur during the summer months, and the other to occur during wet weather), with discharge samples to be collected if warranted.



## 12 Taranaki Trucking Company Limited, Wiremu Road 14<sup>th</sup> Compliance Monitoring Report 2016-2018

### 12.1 Introduction

Taranaki Trucking Company Limited (the Company) operates a quarry site located in an area of farmland accessed off Wiremu Road (Figure 13). The active site covers approximately 6.4 ha. The site was originally developed into a quarry by the Egmont County Council in 1987. The consents passed to the South Taranaki District Council when it was formed, and later transferred to the Company in February 1993.

Aggregate is excavated from volcanic debris flow material and washing is carried out on site. Processing washwater and site stormwater are directed through a network of open drains to the settling ponds. A washwater recirculation system is in place to maximise the efficiency of water use and minimise the volume of treated washwater discharged from the ponds into the unnamed tributary of the Heimama Stream. Discharge from the final treatment pond only occurs periodically.



Figure 13 Taranaki Trucking Limited quarry site

As part of the washing process the Company holds one consent to abstract water from an excavated pond in the vicinity of the Heimama Stream tributary. Water is pumped as required (maximum daily rate of 320 m<sup>3</sup>/day) using a centrifugal pump to the processing area for washing. Because of the recirculation system, actual water abstraction rates are significantly lower than the consented limit.

## 12.2 Resource consents

| Consent number | Purpose   | Granted          | Review    | Expires           |
|----------------|---|------------------|-----------|-------------------|
| 2184-3         | To discharge treated wastewater from quarry operations into an unnamed tributary of the Heimama Stream                      | 30 November 2012 | June 2024 | 1 June 2030       |
| 2293-3         | To take water from an excavated pond in the vicinity of an unnamed tributary of the Heimama Stream for quarrying operations | 30 November 2012 | June 2024 | <i>Superseded</i> |
| 2293-3.1       | To take water from an excavated pond in the vicinity of an unnamed tributary of the Heimama Stream for quarrying operations | 30 November 2012 | June 2024 | 1 June 2030       |

Copies of consents are included in Appendix I.

## 12.3 Compliance monitoring programme

The Council's monitoring programme for the Company includes three components, namely: programme liaison and management with consent holders, site inspections, and chemical sampling when required.

## 12.4 Environmental and administrative performance summary

Seven inspections were undertaken at the Wiremu Road site within the 2016-2018 monitoring period. The inspections found that the site was generally well managed throughout the monitoring period, and was operating within consent conditions. The quarry was actively processing on three occasions, and discharging clear water on two occasions, once being after heavy rainfall, which the site handled well. The annual hydrology inspection in July 2017 showed non-compliance with consent conditions, as the flow meter was faulty and had not been verified. The Company has since applied for and been granted a change to the water take consent to better reflect the circulatory nature of the water use. The flow meter conditions have been removed as the actual water take is less than 5 L/s. Hydrology inspections will now be undertaken biennially, or as required.

The Council monitors for possible effects on stream life by conducting a visual inspection of the discharge from the quarry and streambed both up and downstream of the quarry discharge point. Inspections of the site over the 2016-2018 monitoring period did not note any adverse effects occurring in the receiving waters.

A tabular summary of Taranaki Trucking's compliance record for the period under review is set out in Tables 22-24.

Table 22 Summary of compliance with consent 2184-3 over the 2016-2018 monitoring period

| <b>Purpose: To discharge treated wastewater from quarry operations into an unnamed tributary of the Heimama Stream</b> |   |                             |
|--|---|-----------------------------|
| <b>Condition requirement</b>   | <b>Means of monitoring during period under review</b> | <b>Compliance Achieved?</b> |
| 1. Best practicable option   | Site inspections                                      | Yes                         |

| <b>Purpose: To discharge treated wastewater from quarry operations into an unnamed tributary of the Heimama Stream</b> |                                |             |
|--|--------------------------------|-------------|
| 2. Reinstatement of the quarry site  | N/A                            | N/A         |
| 3. Restricts the catchment area to not exceed 6.4 ha   | Site inspections               | Yes         |
| 4. Maintenance and operation of the settlement ponds   | Site inspections               | Yes         |
| 5. Prohibits the discharge of any untreated stormwater or ground water to any surface water                            | Site inspections               | Yes         |
| 6. Discharges met set constituents   | Sampling if required           | N/A         |
| 7. Discharge must not have any effect after the mixing zone  | Site inspections               | Yes         |
| 8. Provide Contingency Plan to TRC   | Received                       | Yes         |
| 9. Notification to TRC of any changes to operation   | Notification received          | Yes         |
| 10. Review of consent  | Optional review date June 2018 | N/A         |
| Overall assessment of consent compliance and environmental performance in respect of this consent                      |                                | <b>High</b> |
| Overall assessment of administrative performance in respect of this consent  |                                | <b>High</b> |

In relation to consent 2184-3, the Company received a high rating for their environmental and administrative performance in the monitoring period from 1 July 2016 to 30 June 2018, as all quarry activities were compliant with the specified consent conditions.

Table 23 Summary of compliance with consent 2293-3 over the 2016-2018 monitoring period (superseded)

| <b>Purpose: To take water from an excavated pond in the vicinity of an unnamed tributary of the Heimama Stream for quarrying operations</b> |   |                             |
|---|---|-----------------------------|
| <b>Condition requirement</b>  | <b>Means of monitoring during period under review</b> | <b>Compliance Achieved?</b> |
| 1. Restricts abstraction volumes  | Site inspections and data review                      | No                          |
| 2. Requires the construction and operation of an intake structure   | Site inspections                                      | Yes                         |
| 3. Notify and submit records  | Notification received                                 | No                          |
| 4. Requires the repair and maintenance of equipment   | Site inspections                                      | Yes                         |
| 5. Water meter must be accessible   | Site inspections                                      | Yes                         |
| 6. Records must be kept at weekly intervals of abstraction rate   | Site inspections                                      | No                          |

| <b>Purpose: To take water from an excavated pond in the vicinity of an unnamed tributary of the Heimama Stream for quarrying operations</b> |                                |                                  |
|---|--------------------------------|----------------------------------|
| 7. Records of abstraction rate submitted  | Notification received          | No                               |
| 8. Adopt best practicable option  | Site inspections               | No                               |
| 9. Review of consent  | Optional review date June 2018 | N/A                              |
| Overall assessment of consent compliance and environmental performance in respect of this consent   |                                | <b>High Improvement Required</b> |
| Overall assessment of administrative performance in respect of this consent   |                                | <b>High Improvement Required</b> |

Table 24 Summary of compliance with consent 2293-3.1 over the 2016-2018 monitoring period

| <b>Purpose: To take water from an excavated pond in the vicinity of an unnamed tributary of the Heimama Stream for quarrying operations</b> |   |                             |
|---|---|-----------------------------|
| <b>Condition requirement</b>  | <b>Means of monitoring during period under review</b> | <b>Compliance Achieved?</b> |
| 1. Restriction of abstraction volume  | Site inspections and data review                      | Yes                         |
| 2. Adopt best practicable option  | Site inspections                                      | Yes                         |
| 3. Review of consent  | Optional review date June 2024                        | N/A                         |
| Overall assessment of consent compliance and environmental performance in respect of this consent   |   | <b>High</b>                 |
| Overall assessment of administrative performance in respect of this consent   |   | <b>High</b>                 |

In relation to the updated consent 2293-3.1, the Company received a high rating for their environmental and administrative performance in the monitoring period from 1 July 2016 to 30 June 2018, as there were issues identified with the flow meter set up, which were resolved with an update to the consent conditions.

Overall, for all consents held, the Company received a high rating for both their environmental and administrative performance for the monitoring period from 1 July 2016 to 30 June 2018. There were no incidents recorded that were associated with operations at Taranaki Trucking Company Limited's Wiremu Road quarry, following the variation of their water take consent. The site was tidy and well managed.

## 12.1 Alterations and recommendations for 2018-2020

It is proposed that for the 2018-2020 monitoring period that the programme is altered from that of 2016-2018. It is recommended that monitoring of discharges RJ Dreaver's Kairau Road site in the 2018-2020 period be reduced to two inspections per year (one to occur during the summer months, and the other to occur during wet weather), with discharge samples to be collected if warranted.



## 13 Whitaker Civil Engineering Limited Quarry 19<sup>th</sup> Compliance Monitoring Report 2017-2018

### 13.1 Introduction

Whitaker Civil Engineering Limited (the Company) operate a quarry site at Waiwhakaiho Road, approximately 3.5 km south east of New Plymouth. The site is located on the true right bank of the Waiwhakaiho River, in the Waiwhakaiho catchment (Figure 14).

The quarry has washing facilities as well as a dry crusher, screens and excavators onsite. The active quarrying area is approximately 1.5 ha. Exposed earth areas in the main site are contoured and banded to direct surface runoff to two soak holes. The clean fill site and surrounding area is contoured to runoff to a ring drain, which discharges to the Waiwhakaiho River. The washwater system is circulatory and goes through a 2 pond settlement pond system before being reused. Reinstatement of excavated areas is carried out using cleanfill.



Figure 14 Whitaker Civil Engineering Limited Quarry site

### 13.2 Resource consents

| Consent number | Purpose  | Granted          | Review      | Expires     |
|----------------|--|------------------|-------------|-------------|
| 7236-1         | To discharge treated stormwater from a quarry into the Waiwhakaiho River   | 14 February 2008 | 1 June 2020 | 1 June 2026 |
| 0720-4         | To discharge treated washwater from shingle washing activities onto and into land and into the Waiwhakaiho River   | 30 January 2008  | 1 June 2020 | 1 June 2026 |
| 3900-2         | To discharge cleanfill onto and into land and to discharge leachate and stormwater from a former quarry landfill onto and into land in the vicinity of the Waiwhakaiho River | 30 March 2008    | 1 June 2020 | 1 June 2026 |

Copies of consents are included in Appendix I.



### 13.3 Compliance monitoring programme

The Council's monitoring programme for the Company includes three components, namely: programme liaison and management with consent holders, site inspections, and chemical sampling when required.

### 13.4 Environmental and administrative performance summary

Three compliance monitoring inspections were undertaken at the Waiwhakaiho Road quarry during the 2017-2018 period. Two of the inspections were following heavy rainfall and the site appeared to handle the conditions well. During one inspection the discharge to the river was slightly discoloured but this dissipated around 10 m downstream. Washwater is on a circulatory system and was compliant at the time of the one inspection it was in use. During inspections, runoff from the cleanfill was directed to the ring drain and the cleanfill contained inert and compliant material. The previous cleanfill area had been revegetated. Overall the site was well managed, tidy and had good stormwater and washwater systems in place.

The Council monitors for possible effects on stream life by conducting a visual inspection of the discharge from the quarry and streambed both up and downstream of the quarry discharge point. Inspections of the site over the 2017-2018 monitoring period did not note any adverse effects occurring in the receiving waters.

A tabular summary of the Company's compliance record for the period under review is set out in Tables 25-27.

**Table 25 Summary of compliance with consent 7236-1 over the 2017-2018 monitoring period**

| <b>Purpose: To discharge treated stormwater from a quarry into the Waiwhakaiho River</b>  |   |                             |
|---|---|-----------------------------|
| <b>Condition requirement</b>  | <b>Means of monitoring during period under review</b> | <b>Compliance Achieved?</b> |
| 1. Best practicable option to prevent or minimise adverse effects.  | Site inspections                                      | Yes                         |
| 2. No direct discharge of untreated stormwater or washwater.  | Inspections of site and river                         | Yes                         |
| 3. Bund and contour the active quarry area so that all water is directed for treatment prior to discharge to receiving waters.  | Site inspections                                      | Yes                         |
| 4. Maximum stormwater catchment area.   | Site inspections                                      | Yes                         |
| 5. Establishment and maintenance of riparian planting.  | Inspections of river                                  | Yes                         |
| 6. Operate and maintain sediment control structures to maximise the treatment of stormwater and washwater, minimise discharge, and ensure discharge consent compliance. | Site inspections                                      | Yes                         |
| 7. Treated stormwater to comply with chemical limits prior to discharge into receiving waters.  | Sample collection                                     | N/A                         |

| <b>Purpose: To discharge treated stormwater from a quarry into the Waiwhakaiho River</b>   |   |             |
|--|---|-------------|
| 8. Beyond the mixing zone, discharge shall not affect the physical characteristics of receiving waters of the Waiwhakaiho River. | Inspections of the river                  | Yes         |
| 9. Beyond the mixing zone, the discharge shall not increase turbidity of the Waiwhakaiho River by more than 50%.                 | Inspections of the river, NTU measurement | Yes         |
| 10. Use of treatment ponds and washwater re-circulating system to minimise the water volume treated and discharged.              | Site inspections                          | Yes         |
| 11. Lapse clause   | Consent exercised                         | N/A         |
| 12. Review clause  | Next review available in June 2020        | N/A         |
| Overall assessment of consent compliance and environmental performance in respect of this consent                                |   | <b>High</b> |
| Overall assessment of administrative performance in respect of this consent  |   | <b>High</b> |

In relation to consent 7236-1, the Company received a high rating for their environmental and administrative performance in the monitoring period from 1 July 2017 to 30 June 2018, as all quarry activities were assessed as compliant with the specified consent conditions.

**Table 26 Summary of compliance with consent 0720-4 over the 2017-2018 monitoring period**

| <b>Purpose: To discharge treated washwater from shingle washing activities onto and into land and into the Waiwhakaiho River</b> |   |                             |
|--|---|-----------------------------|
| <b>Condition requirement</b>   | <b>Means of monitoring during period under review</b> | <b>Compliance Achieved?</b> |
| 1. Best practicable option to prevent or minimise adverse effects.   | Site inspections                                      | Yes                         |
| 2. Exercise consent in accordance with consent application.  | Site inspections                                      | Yes                         |
| 3. No direct discharge of untreated stormwater or washwater  | Inspections of site and river                         | Yes                         |
| 4. Bund and contour the active quarry area so that all water is directed for treatment prior to discharge.                       | Site inspections                                      | Yes                         |
| 5. Control erosion and minimise sediment contained in the stormwater.  | Inspections of site and downstream of discharge point | Yes                         |
| 6. Progressive reinstatement of the quarry to minimise the area of exposed earth   | Site inspections                                      | Yes                         |

| <b>Purpose: To discharge treated washwater from shingle washing activities onto and into land and into the Waiwhakaiho River</b>  |   |             |
|---|---|-------------|
| 7. Operate and maintain sediment control structures to maximise the treatment of stormwater and washwater, minimise discharge, and ensure discharge consent compliance. | Site inspections                          | Yes         |
| 8. Treated stormwater to comply with chemical limits prior to discharge into receiving waters.  | Sample collection                         | N/A         |
| 9. Beyond the mixing zone, discharge shall not affect the physical characteristics of receiving waters of the Waiwhakaiho River.  | Inspections of the river                  | Yes         |
| 10. Beyond the mixing zone, the discharge shall not increase turbidity of the Waiwhakaiho River by more than 50%.   | Inspections of the river, NTU measurement | Yes         |
| 11. Lapse clause  | Consent exercised                         | N/A         |
| 12. Review Clause   | Next review available in June 2020        | N/A         |
| Overall assessment of consent compliance and environmental performance in respect of this consent   |   | <b>High</b> |
| Overall assessment of administrative performance in respect of this consent   |   | <b>High</b> |

In relation to consent 0720-4, the Company received a high rating for their environmental and administrative performance in the monitoring period from 1 July 2017 to 30 June 2018, as all quarry activities were assessed as compliant with the specified consent conditions.

**Table 27 Summary of compliance with consent 3900-2 over the 2017-2018 monitoring period**

| <b>Purpose: To discharge cleanfill onto and into land and to discharge leachate and stormwater from a former quarry landfill onto and into land in the vicinity of the Waiwhakaiho River</b> |   |                             |
|--|---|-----------------------------|
| <b>Condition requirement</b>   | <b>Means of monitoring during period under review</b> | <b>Compliance Achieved?</b> |
| 1. Exercise consent in accordance with consent application.  | Site inspections                                      | Yes                         |
| 2. Only clean-fill and/or inert materials may be discharged.   | Site inspections                                      | Yes                         |
| 3. Prohibited contaminants must not be discharged.   | Site inspections                                      | Yes                         |
| 4. Water Treatment Plant (WTP) sludge sourced from New Plymouth District Council is permitted to be discharged at this site.   | No WTP sludge received during monitoring period       | N/A                         |
| 5. Notification required prior to discharge of WTP sludge.   | No WTP sludge received during monitoring period       | N/A                         |

| <b>Purpose: To discharge cleanfill onto and into land and to discharge leachate and stormwater from a former quarry landfill onto and into land in the vicinity of the Waiwhakaiho River</b> |   |             |
|--|---|-------------|
| 6. Spreading and mixing requirements when discharging WTP sludge.  | No WTP sludge received during monitoring period     | N/A         |
| 7. In cases of uncertainty regarding a contaminant, written approval must be obtained from the Council prior to discharge.   | Approval obtained                                   | N/A         |
| 8. No discharge to occur within 20 metres of the top bank of the Waiwhakaiho River.  | Inspections of site and river                       | Yes         |
| 9. Discharge to land shall not result in any contaminants entering surface water.  | Inspections of site and river                       | Yes         |
| 10. Appropriate monitoring of dumped material to prevent unwanted contaminants in the cleanfill area   | Inspections of site and liaison with consent holder | Yes         |
| 11. Discharge shall not affect the physical characteristics of receiving waters of the Waiwhakaiho River.  | Inspections of site and river                       | Yes         |
| 12. Provision of environmental management plan detailing the reinstatement operation.  | Management plan received 30 October 2009            | Yes         |
| 13. Best practicable option to prevent or minimise adverse effects.  | Site inspections                                    | Yes         |
| 14. Site remediation requirement   | Site inspection                                     | N/A         |
| 15. Lapse clause   | Consent exercised                                   | N/A         |
| 16. Review clause  | Next review available in June 2020                  | N/A         |
| Overall assessment of consent compliance and environmental performance in respect of this consent  |   | <b>High</b> |
| Overall assessment of administrative performance in respect of this consent  |   | <b>High</b> |

In relation to consent 3900-2, the Company received a high rating for their environmental and administrative performance in the monitoring period from 1 July 2017 to 30 June 2018, as all cleanfill activities were assessed as compliant with the specified consent conditions.

Overall, for all consents held, the Company received a high rating for both their environmental and administrative performance for the monitoring period from 1 July 2017 to 30 June 2018.

### 13.5 Alterations and recommendations for 2017-2019

It is proposed that for the 2018-2020 monitoring period that the programme is altered from that of 2017-2018. It is recommended that monitoring of discharges from Whitaker Civil Engineering Quarry's Waiwhakaiho Road site in the 2018-2020 period be reduced to two inspections per year (one to occur during the summer months, and the other to occur during wet weather), with discharge samples to be collected if warranted.



## 14 Wiremu Road Quarry Limited 22<sup>nd</sup> Compliance Monitoring Biennial Report 2017-2018

### 14.1 Introduction

Wiremu Road Quarry Limited's quarry site is located on Wiremu Road between two unnamed tributaries of the Manganui Stream in the Oaonui catchment (Figure 15). During the 2017-2018 monitoring period, there was a change to the site management structure, Winstone Aggregates Limited still hold the consents and remain part-owners of the site.

The quarry site is bisected by Wiremu Road into two main areas, an upper and lower site. Bunding and contouring is used to isolate stormwater generated within the active sites from the surrounding land, and to direct stormwater and washwater to a large (former) excavation pit for recirculation. Recirculation minimises the volume of water abstracted for washing and discharge. Excess water is pumped from here to a series of settlement ponds before discharging to the unnamed tributary of the Manganui Stream.



Figure 15 Wiremu Road Quarry Limited quarry site

### 14.2 Resource consents

| Consent number | Purpose   | Granted         | Review                    | Expires        |
|----------------|---|-----------------|---------------------------|----------------|
| 1508-3         | To take water from an unnamed tributary of the Manganui Stream in the Oaonui catchment for quarrying purposes | 14 January 2000 | no further review options | <i>Expired</i> |

| Consent number | Purpose   | Granted         | Review                    | Expires           |
|----------------|---|-----------------|---------------------------|-------------------|
| 10583-1        | To take water from two reservoirs for aggregate washing purposes  | 15 May 2018     | June 2024                 | 1 June 2036       |
| 1509-3         | To discharge up to 200 L/s of treated stormwater and up to 35 L/s of treated waste washwater from quarrying operations into an unnamed tributary of the Manganui Stream in the Oaonui catchment | 14 January 2000 | no further review options | <i>Superseded</i> |
| 1509-4         | To discharge treated stormwater and washwater from quarrying operations into an unnamed tributary of the Manganui Stream  | 15 May 2018     | June 2024                 | 1 June 2036       |

Copies of consents are included in Appendix I.

### 14.3 Compliance monitoring programme

The Council's monitoring programme for the Wiremu Road quarry site includes three components, namely: programme liaison and management with consent holders and affected parties, site inspections, and chemical sampling when required.

### 14.4 Environmental and administrative performance summary

Two inspections were undertaken at the Wiremu Road quarry site during the 2017-2018 period. Generally, the site was observed to be well managed and tidy. One inspection was immediately after a heavy period of rain, which the site appeared to handle well. Discharges in both inspections from the washwater pond and stormwater system were very clear. The water take pump was turned off in July 2016 to change to a recirculation system, so no water was abstracted from the tributary during the 2017-2018 period.

The water take consent 10583-1 commenced 15 May 2018, but the conditions will not be assessed until the following monitoring period 2018-2020. The consent conditions have been provided below for information only. Both versions of consent 1509 have been provided in summary below for comparison during the reported monitoring year.

The Council monitors for possible effects on stream life by conducting a visual inspection of the discharge from the quarry and streambed both up and downstream of the quarry discharge point. Inspections of the site over the 2017-2018 monitoring period did not note any adverse effects occurring in the receiving waters.

A tabular summary of the compliance record for the site over the period under review is set out in Tables 28-31.

Table 28 Summary of compliance with consent 1508-3 over the 2017-2018 monitoring period

| <b>Purpose: To take water from an unnamed tributary of the Manganui Stream in the Oaonui catchment for quarrying purposes</b> |   |                      |
|---|---|----------------------|
| Condition requirement   | Means of monitoring during period under review  | Compliance Achieved? |
| 1. Abstraction rate shall not exceed 25 L/s   | Site inspections, review of abstraction records | N/A                  |

| <b>Purpose: To take water from an unnamed tributary of the Manganui Stream in the Oaonui catchment for quarrying purposes</b> |   |             |
|---|---|-------------|
| 2. Review clause.   | No further review options prior to expiry in 2018 | N/A         |
| Overall assessment of consent compliance and environmental performance in respect of this consent                             |   | <b>High</b> |
| Overall assessment of administrative performance in respect of this consent   |   | <b>High</b> |

Table 29 Summary consent conditions for consent 10583-1 for the 2017-2018 monitoring period

| <b>Purpose: To take water from two reservoirs for aggregate washing purposes</b>                  |   |                             |
|---|---|-----------------------------|
| <b>Condition requirement</b>  | <b>Means of monitoring during period under review</b> | <b>Compliance Achieved?</b> |
| 1. Restricts abstraction volumes  | Site inspections and data review                      | N/A                         |
| 2. Requires installation and maintenance of a water meter and dataloggers with record keeping     | Site inspections                                      | N/A                         |
| 3. Water meters must be verified  | Documentation received                                | N/A                         |
| 4. Requires the repair and maintenance of equipment   | Site inspections                                      | N/A                         |
| 5. Water meter must be accessible   | Site inspections                                      | N/A                         |
| 6. Records of abstraction rate submitted  | Notification received                                 | N/A                         |
| 7. Adopt best practicable option  | Site inspections                                      | N/A                         |
| 8. Review of consent  | Optional review date June 2024                        | N/A                         |
| Overall assessment of consent compliance and environmental performance in respect of this consent |   | N/A                         |
| Overall assessment of administrative performance in respect of this consent                       |   | N/A                         |

In relation to consent 1508-3, the company received a high rating for their environmental and administrative performance in the monitoring period from 1 July 2017 to 30 June 2018. There were no abstraction activities and as such conditions were compliant.

Table 30 Summary of compliance with consent 1509-3 over the 2017-2018 monitoring period

| <b>Purpose: To discharge up to 200 litres per second of treated stormwater and up to 35 litres per second of treated waste washwater from quarrying operations into an unnamed tributary of the Manganui Stream in the Oaonui catchment</b> |   |                             |
|---|---|-----------------------------|
| <b>Condition requirement</b>  | <b>Means of monitoring during period under review</b> | <b>Compliance Achieved?</b> |
| 1. Best practicable option to prevent or minimise adverse effects   | Site inspections                                      | Yes                         |
| 2. No direct discharge of untreated stormwater or washwater.  | Inspections of site and river                         | Yes                         |
| 3. Bund and contour the aggregate washing area.   | Site inspections                                      | Yes                         |
| 4. Appropriate recirculation systems implemented.   | Site inspections                                      | Yes                         |
| 5. Bund and contour the active quarry area so that stormwater is directed for treatment prior to discharge.   | Site inspections                                      | Yes                         |
| 6. Control erosion and minimise silt and sediment in the stormwater.  | Inspections of site and downstream of discharge point | Yes                         |
| 7. Progressive reinstatement of the quarry to minimise stormwater catchment and exposed earth areas.  | Site inspections                                      | Yes                         |
| 8. Operate and maintain silt control structures to maximise the treatment of stormwater, and minimise duration and frequency of discharge.  | Site inspections                                      | Yes                         |
| 9. Parameter concentration limits of discharge prior to release into receiving waters.  | Sample collection                                     | N/A                         |
| 10. Beyond the mixing zone, discharge shall not affect the physical characteristics of receiving waters.  | Inspections of the river                              | Yes                         |
| 11. Prior to surrender of the consent the quarry site must be reinstated.   | Site inspection                                       | N/A                         |
| 12. Maintenance of site contingency plan.   | Contingency plan reviewed 13 December 2012.           | Yes                         |
| 13. Maximum discharge rate.   | Site inspection                                       | Yes                         |
| 14. Maximum stormwater catchment area   | Site inspections                                      | Yes                         |
| 15. Review clause.  | No further review options prior to expiry in 2018     | N/A                         |
| Overall assessment of consent compliance and environmental performance in respect of this consent   |   | <b>High</b>                 |
| Overall assessment of administrative performance in respect of this consent   |   | <b>High</b>                 |

Table 31 Summary of compliance with consent 1509-4 over the 2017-2018 monitoring period

| <b>Purpose: To discharge treated stormwater and washwater from quarrying operations into an unnamed tributary of the Manganui Stream</b>    |   |                             |
|---|---|-----------------------------|
| <b>Condition requirement</b>  | <b>Means of monitoring during period under review</b> | <b>Compliance Achieved?</b> |
| 1. Best practicable option to prevent or minimise adverse effects   | Site inspections                                      | Yes                         |
| 2. Quarry catchment limited to 40 ha  | Site inspections                                      | Yes                         |
| 3. No direct discharge of untreated stormwater or washwater.  | Site inspections                                      | Yes                         |
| 4. Any significant changes must first be approved by Council.   | Site inspections                                      | Yes                         |
| 5. Bund and contour the washing area  | Site inspections                                      | Yes                         |
| 6. Implement appropriate recirculation systems  | Site inspections                                      | Yes                         |
| 7. Bund and contour the active quarry area so that stormwater is directed for treatment prior to discharge.                                 | Site inspections                                      | Yes                         |
| 8. Control erosion and minimise silt and sediment in the stormwater.  | Inspections of site and downstream of discharge point | Yes                         |
| 9. Progressive reinstatement of the quarry to minimise stormwater catchment and exposed earth areas.  | Site inspections                                      | Yes                         |
| 10. Operate and maintain silt control structures to maximise the treatment of stormwater, and minimise duration and frequency of discharge. | Site inspections                                      | Yes                         |
| 11. Parameter concentration limits of discharge prior to release into receiving waters.   | Sample collection                                     | Yes                         |
| 12. Beyond the mixing zone, discharge shall not affect the physical characteristics of receiving waters.                                    | Inspections of the river                              | Yes                         |
| 13. Maintenance of site contingency plan.   | Contingency plan reviewed 13 December 2012.           | Yes                         |
| 14. Review clause.  | Optional review date June 2024                        | N/A                         |
| Overall assessment of consent compliance and environmental performance in respect of this consent   |   | <b>High</b>                 |
| Overall assessment of administrative performance in respect of this consent   |   | <b>High</b>                 |

In relation to consents 1509-3 and the updated version 1509-4, the Company received a high rating for their environmental and administrative performance in the monitoring period from 1 July 2017 to 30 June 2018, as all activities were assessed as compliant with the specified consent conditions.



Overall, for all consents held, Wiremu Road Quarry Limited's site received a high rating for both their environmental and administrative performance for the monitoring period from 1 July 2017 to 30 June 2018.

## 14.5 Alterations and recommendations for 2018-2020

It is proposed that for the 2018-2020 monitoring period that the programme is altered from that of 2017-2018. It is recommended that monitoring of discharges from Wiremu Road Quarry Limited's site in the 2018-2020 period be reduced to two inspections per year (one to occur during the summer months, and the other to occur during wet weather), with discharge samples to be collected if warranted.

## Glossary of common terms and abbreviations

The following abbreviations and terms may be used within this report:

|                  |   |
|------------------|---|
| Biomonitoring    | Assessing the health of the environment using aquatic organisms.  |
| Bund             | A wall around a tank to contain its contents in the case of a leak.   |
| Conductivity     | Conductivity, an indication of the level of dissolved salts in a sample, usually measured at 20°C and expressed in mS/m.  |
| Fresh            | Elevated flow in a stream, such as after heavy rainfall.  |
| g/m <sup>3</sup> | Grams per cubic metre, and equivalent to milligrams per litre (mg/L). In water, this is also equivalent to parts per million (ppm), but the same does not apply to gaseous mixtures.  |
| Incident         | An event that is alleged or is found to have occurred that may have actual or potential environmental consequences or may involve non-compliance with a consent or rule in a regional plan. Registration of an incident by the Council does not automatically mean such an outcome had actually occurred.                 |
| Intervention     | Action/s taken by Council to instruct or direct actions be taken to avoid or reduce the likelihood of an incident occurring.  |
| Investigation    | Action taken by Council to establish what were the circumstances/events surrounding an incident including any allegations of an incident.   |
| IR               | The Incident Register contains a list of events recorded by the Council on the basis that they may have the potential or actual environmental consequences that may represent a breach of a consent or provision in a Regional Plan.  |
| L/s              | Litres per second.  |
| MCI              | Macroinvertebrate community index; a numerical indication of the state of biological life in a stream that takes into account the sensitivity of the taxa present to organic pollution in stony habitats.   |
| mS/m             | Millisiemens per metre.   |
| Mixing zone      | The zone below a discharge point where the discharge is not fully mixed with the receiving environment. For a stream, conventionally taken as a length equivalent to 7 times the width of the stream at the discharge point.  |
| NTU              | Nephelometric Turbidity Unit, a measure of the turbidity of water.  |
| O&G              | Oil and grease, defined as anything that will dissolve into a particular organic solvent (e.g. hexane). May include both animal material (fats) and mineral matter (hydrocarbons).  |
| pH               | A numerical system for measuring acidity in solutions, with 7 as neutral. Numbers lower than 7 are increasingly acidic and higher than 7 are increasingly alkaline. The scale is logarithmic i.e. a change of 1 represents a ten-fold change in strength. For example, a pH of 4 is ten times more acidic than a pH of 5. |
| Physicochemical  | Measurement of both physical properties (e.g. temperature, clarity, density) and chemical determinants (e.g. metals and nutrients) to characterise the state of an environment.   |
| Resource consent | Refer Section 87 of the RMA. Resource consents include land use consents (refer Sections 9 and 13 of the RMA), coastal permits (Sections 12, 14 and 15), water permits (Section 14) and discharge permits (Section 15).   |
| RMA              | <i>Resource Management Act 1991</i> and including all subsequent amendments.  |

|      |  |
|------|--|
| SS   | Suspended solids.                              |
| Temp | Temperature, measured in °C (degrees Celsius). |
| Turb | Turbidity, expressed in NTU.                   |

For further information on analytical methods, contact a Science Services Manager.

## Bibliography and references

Taranaki Regional Council, 1992: Regional Policy Statement Working Paper. Aggregate extraction in Taranaki. TRC Report.

For previous quarry monitoring reports, please visit the Council website:

<https://www.trc.govt.nz/council/plans-and-reports/environmental/consent-compliance-monitoring-reports/quarries/>





# Appendix I

## Resource consents for the Northern quarries

(For a copy of the signed resource consent  
please contact the TRC Consents department)



**Discharge Permit**  
**Pursuant to the Resource Management Act 1991**  
**a resource consent is hereby granted by the**  
**Taranaki Regional Council**

Name of  
Consent Holder: AA Contracting Limited  
68 Henwood Road  
R D 2  
NEW PLYMOUTH 4372

Decision Date: 18 May 2015

Commencement Date: 18 May 2015

**Conditions of Consent**

Consent Granted: To discharge treated stormwater and washwater from quarry operations into land and into the Mangaoraka Stream

Expiry Date: 01 June 2032

Review Date(s): June 2020 and/or June 2026

Site Location: Te Arei Road, Bell Block

Legal Description: Kaipakopako 4B Blk III Paritutu SD (site of discharge)

Grid Reference (NZTM) 1703144E-5678349N

Catchment: Waiongana

Tributary: Mangaoraka

*For General, Standard and Special conditions  
pertaining to this consent please see reverse side of this document*

**General condition**

- a. The consent holder shall pay to the Taranaki Regional Council all the administration, monitoring and supervision costs of this consent, fixed in accordance with section 36 of the Resource Management Act 1991.

**Special conditions**

- 1. There shall be no direct discharge of untreated stormwater from the active quarry site into the Mangaoraka Stream.
- 2. All stormwater shall be directed through the settling ponds on site, prior to the discharge into the Mangaoraka Stream.
- 3. The consent holder shall ensure that the discharge outlet into the Mangaoraka Stream prevents backflow from the stream into the settling pond.
- 4. The consent holder shall properly maintain and operate the settling pond system, including the use of shut off valves, in such a manner that any discharge which may occur does not breach the conditions of this consent. The settling pond system shall be operated, as far as practicable, so as to minimise the duration and frequency of discharges.
- 5. The treatment system shall be bunded, with silt control measures permanently installed around the bund, to prevent the inflow of stormwater from any other surrounding areas of the quarry.
- 6. The consent holder shall operate and progressively reinstate the quarry site in a manner which minimises the quarry stormwater catchment area, and ensures that the area of exposed un-vegetated earth within the quarry's stormwater catchment is kept to a minimum at all times.
- 7. The consent holder shall at all times adopt the best practicable option, as defined in the Resource Management Act 1991, to prevent or minimise any adverse effects of the discharge to the environment.
- 8. Constituents of the discharge shall meet the standards shown in the following table.

| <b>Constituent</b> | <b>Standard</b>                                     |
|--------------------|---|
| pH                 | Within the range 6.0 to 9.0                         |
| suspended solids   | Concentration not greater than 100 gm <sup>-3</sup> |
| total hydrocarbons | Concentration not greater than 15 gm <sup>-3</sup>  |

This condition shall apply before entry of the treated stormwater into the receiving waters at a designated sampling point approved by the Chief Executive, Taranaki Regional Council.

- 9. After allowing for reasonable mixing, within a mixing zone extending 25 metres downstream of any discharge point, the discharge shall not give rise to any of the following effects in the receiving waters:

## Consent 5651-2.0

- a) the production of any conspicuous oil or grease films, scums or foams, or floatable or suspended materials;
  - b) any conspicuous change in the colour or visual clarity;
  - c) any emission of objectionable odour;
  - d) the rendering of fresh water unsuitable for consumption by farm animals;
  - e) any significant adverse effects on aquatic life.
10. After allowing for reasonable mixing, within a mixing zone extending 25 metres downstream of any discharge point, the discharge shall not give rise to any of the following effects in the receiving waters:
- a) an increase in the suspended solids concentration within the Mangaoraka Stream in excess of 10 grams per cubic metre when the turbidity as measured immediately upstream of the discharge point is equal to or less than 5 NTU (nephelometric turbidity units); or
  - b) an increase in the turbidity within the Mangaoraka Stream of more than 50%, where the stream turbidity measured upstream if the discharge is greater than 5 NTU, as determined using NTU.
11. The consent holder shall maintain and regularly update a 'Contingency Plan' that details measures and procedures that will be undertaken in the event of spillage or accidental discharge of contaminants not authorised by this consent. The plan shall be approved by the Chief Executive, Taranaki Regional Council, acting in a certification capacity as being adequate to avoid, remedy or mitigate the environmental effects of such an event.
12. The consent holder shall notify the Chief Executive, Taranaki Regional Council, prior to making any changes to the processes or operations undertaken at the site, or the chemicals used or stored on site that could alter the nature of the discharge. Any such change shall then only occur following receipt of any necessary approval under the Resource Management Act. Notification shall include the consent number, a brief description of the activity consented and an assessment of the environmental effects of any changes, and be emailed to.
13. In accordance with section 128 and section 129 of the Resource Management Act 1991, the Taranaki Regional Council may serve notice of its intention to review, amend, delete or add to the conditions of this resource consent by giving notice of review during the month of June 2020 and/or June 2026, for the purpose of ensuring that the conditions are adequate to deal with any adverse effects on the environment arising from the exercise of this resource consent, which were either not foreseen at the time the application was considered or which it was not appropriate to deal with at the time.

Signed at Stratford on 18 May 2015

For and on behalf of  
Taranaki Regional Council



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A D McLay  
**Director - Resource Management**





**Discharge Permit**  
**Pursuant to the Resource Management Act 1991**  
**a resource consent is hereby granted by the**  
**Taranaki Regional Council**

Name of  
Consent Holder: Coastal Drainage Limited  
60 Gregory Lane  
R D 31  
RAHOTU 4681

Consent Granted  
Date: 3 November 2009

**Conditions of Consent**

Consent Granted: To discharge stormwater contaminated with sediment onto  
and into land from a quarry site at or about (NZTM)  
1671829E-5653723N

Expiry Date: 1 June 2025

Review Date(s): June 2013, June 2019

Site Location: 78 Kerekeua Road, Warea

Legal Description: Lot 2 DP 366185

Catchment: Whanganui

Tributary: Mangaone

**General conditions**

- a) On receipt of a requirement from the Chief Executive, Taranaki Regional Council the consent holder shall, within the time specified in the requirement, supply the information required relating to the exercise of this consent.
- b) Unless it is otherwise specified in the conditions of this consent, compliance with any monitoring requirement imposed by this consent must be at the consent holder's own expense.
- c) The consent holder shall pay to the Council all required administrative charges fixed by the Council pursuant to section 36 in relation to:
  - i) the administration, monitoring and supervision of this consent; and
  - ii) charges authorised by regulations.

**Special conditions**

- 1. The active area of the quarry shall not exceed 0.17 hectares.
- 2. If any area of soil is exposed, all run off from that area shall pass through settlement ponds or sediment traps with a minimum total capacity of:
  - a) 100 cubic metres for every hectare of exposed soil between 1 November to 30 April; and
  - b) 200 cubic metres for every hectare of exposed soil between 1 May to 31 October;

unless other sediment control measures that achieve an equivalent standard are agreed to by the Chief Executive of the Taranaki Regional Council.
- 3. All earthwork areas shall be stabilised vegetatively or otherwise as soon as is practicable immediately following completion of soil disturbance activities.
- 4. This consent shall lapse on 31 December 2014, unless the consent is given effect to before the end of that period or the Taranaki Regional Council fixes a longer period pursuant to section 125(1)(b) of the Resource Management Act 1991.

Consent 7552-1

5. In accordance with section 128 and section 129 of the Resource Management Act 1991, the Taranaki Regional Council may serve notice of its intention to review, amend, delete or add to the conditions of this resource consent by giving notice of review during the month of June 2013 and/or June 2019, for the purpose of ensuring that the conditions are adequate to deal with any adverse effects on the environment arising from the exercise of this resource consent, which were either not foreseen at the time the application was considered or which it was not appropriate to deal with at the time.

Signed at Stratford on 3 November 2009

For and on behalf of  
Taranaki Regional Council

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**Director-Resource Management**



**Discharge Permit**  
**Pursuant to the Resource Management Act 1991**  
**a resource consent is hereby granted by the**  
**Taranaki Regional Council**

Name of  
Consent Holder:            Ferndene Quarries Limited  
   3A Horizon Heights  
   NEW PLYMOUTH

Consent Granted            16 September 2004  
Date:

**Conditions of Consent**

Consent Granted:            To discharge treated stormwater from quarrying and rock  
   crushing operations onto and into land and into an  
   unnamed tributary of the Mangaoraka Stream in the  
   Waiongana catchment at or about GR: Q19:106-269

Expiry Date:                1 June 2020

Review Date(s):            June 2008, June 2014

Site Location:                1059 Upland Road, Tarurutangi  
   [Property owner: DG & GS Marsh]

Legal Description:            Sec 117 & E Pt Sec 118 Tarurutangi Dist Blk III Egmont  
   SD

Catchment:                  Waiongana

Tributary:                    Mangaoraka



## Consent 6453-1

### General conditions

- a) On receipt of a requirement from the Chief Executive, Taranaki Regional Council the consent holder shall, within the time specified in the requirement, supply the information required relating to the exercise of this consent.
- b) Unless it is otherwise specified in the conditions of this consent, compliance with any monitoring requirement imposed by this consent must be at the consent holder's own expense.
- c) The consent holder shall pay to the Council all required administrative charges fixed by the Council pursuant to section 36 in relation to:
  - i) the administration, monitoring and supervision of this consent; and
  - ii) charges authorised by regulations.

### Special conditions

1. The consent holder shall at all times adopt the best practicable option, as defined in section 2 of the Resource Management Act 1991, to prevent or minimise any adverse effects on the environment from the exercise of this resource consent.
2. The exercise of this consent shall be undertaken generally in accordance with the documentation submitted in support of application 3309 and to ensure that the conditions of this consent are met at all times. In the case of any contradiction between the documentation submitted in support of application 3309 and the conditions of this consent, the conditions of this consent shall prevail.
3. There shall be no direct discharge of untreated stormwater from the quarry into the unnamed tributary of the Mangaoraka Stream, as a result of the exercise of this consent.
4. The active quarry site shall be contoured/bunded so that: all water generated in this area is directed to the silt control structures for treatment prior to discharge; and the flow of uncontaminated stormwater into this area is prevented.
5. The consent holder shall undertake measures during excavation to control erosion of exposed areas within the quarry site and to minimise the amounts of sediment contained in the stormwater discharge licensed by this consent.
6. The consent holder shall operate and progressively reinstate the quarry site in a manner which ensures that the area of exposed, unvegetated earth within the quarry's stormwater catchment is kept to a minimum at all times.
7. The maximum disturbed stormwater catchment area shall be no more than one hectare at any one time.

## Consent 6453-1

8. The consent holder shall properly and efficiently maintain and operate the silt control structures in such a manner that any discharge which may occur shall not breach the conditions of this consent. The silt control structures shall be operated, as far as practicable, so as to maximise the treatment of the stormwater, and to minimise the duration and frequency of the discharge.

9. The following concentrations shall not be exceeded in the discharge:

| <b>Component</b>   | <b>Concentration</b> |
|--|----------------------|
| pH [range]   | 6-9                  |
| total recoverable hydrocarbons<br>[infrared spectroscopic technique] | 15 gm <sup>-3</sup>  |
| Suspended solids   | 100 gm <sup>-3</sup> |

This condition shall apply prior to the entry of the stormwater into the receiving waters of the unnamed tributary of the Mangaoraka Stream, at designated sampling points approved by the Chief Executive, Taranaki Regional Council.

10. After allowing for reasonable mixing, within a mixing zone extending 40 metres downstream of the second discharge point [Area B], the discharge shall not give rise to any of the following effects in the receiving waters of the unnamed tributary of the Mangaoraka Stream:

- a) the production of any conspicuous oil or grease films, scums or foams, or floatable or suspended material;
- b) any conspicuous change in the colour or visual clarity;
- c) any emission of objectionable odour;
- d) the rendering of fresh water unsuitable for consumption by farm animals;
- e) any significant adverse effects on aquatic life.

11. After allowing for reasonable mixing, within a mixing zone extending 40 metres downstream of the second discharge point in the unnamed tributary of the Mangaoraka Stream, the discharge shall not give rise to either of the following effects in the receiving waters of the unnamed tributary of the Mangaoraka Stream:

- a) an increase in suspended solids concentration in excess of 10 gm<sup>-3</sup> when the stream turbidity as measured immediately upstream of the first discharge point [Area A] in the unnamed tributary of Mangaoraka Stream is equal to or less than 5 NTU [nephelometric turbidity units]; or
- b) an increase in turbidity of more than 50% when the stream turbidity as measured immediately upstream of the first discharge point [Area A] in the unnamed tributary of the Mangaoraka Stream is greater than 5 NTU [nephelometric turbidity units].

12. Prior to the exercise of this consent, in each of the two areas identified in the documentation submitted in support of application 3309, the consent holder shall provide a site plan, stormwater management plan, and contingency plan to the Taranaki Regional Council. These plans are to outline the measures and procedures to be undertaken to prevent the spillage or accidental discharge of contaminants into the stormwater catchment, and measures to avoid, remedy or mitigate environmental effects from the exercise of this consent.

## Consent 6453-1

13. On cessation of quarrying operations or prior to the surrender or lapsing of this consent at the site licensed by this consent, the active quarry area, including the silt control structures, and surrounding areas shall be reinstated to the satisfaction of the Chief Executive, Taranaki Regional Council.
14. This consent shall lapse on the expiry of five years after the date of issue of this consent, unless the consent is given effect to before the end of that period or the Taranaki Regional Council fixes a longer period pursuant to section 125(1)(b) of the Resource Management Act 1991.
15. In accordance with section 128 and section 129 of the Resource Management Act 1991, the Taranaki Regional Council may serve notice of its intention to review, amend, delete or add to the conditions of this resource consent by giving notice of review during the month of June 2008 and/or June 2014, for the purpose of ensuring that the conditions are adequate to deal with any adverse effects on the environment arising from the exercise of this resource consent, which were either not foreseen at the time the application was considered or which it was not appropriate to deal with at the time.

Signed at Stratford on 16 September 2004

For and on behalf of  
Taranaki Regional Council

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**Director-Resource Management**

**Discharge Permit**  
**Pursuant to the Resource Management Act 1991**  
**a resource consent is hereby granted by the**  
**Taranaki Regional Council**

Name of  
Consent Holder:            Ferndene Quarries Limited  
   4 Dunbar Place  
   Highlands Park  
   NEW PLYMOUTH 4312

Decision Date:            2 April 2007

Commencement  
Date:                        2 April 2007

**Conditions of Consent**

Consent Granted:        To discharge cleanfill onto and into land for quarry  
   reinstatement purposes at or about (NZTM)  
   1700536E-5665456N

Expiry Date:            1 June 2026

Review Date(s):        June 2014, June 2020

Site Location:            Upland Road, Inglewood

Legal Description:      Sec 117 & E Pt Sec 118 Tarurutangi Dist Blk III  
   Egmont SD

Catchment:            Waiongana

*For General, Standard and Special conditions  
pertaining to this consent please see reverse side of this document*

### **General conditions**

- a) On receipt of a requirement from the Chief Executive, Taranaki Regional Council the consent holder shall, within the time specified in the requirement, supply the information required relating to the exercise of this consent.
- b) Unless it is otherwise specified in the conditions of this consent, compliance with any monitoring requirement imposed by this consent must be at the consent holder's own expense.
- c) The consent holder shall pay to the Council all required administrative charges fixed by the Council pursuant to section 36 in relation to:
  - i) the administration, monitoring and supervision of this consent; and
  - ii) charges authorised by regulations.

### **Special conditions**

1. The exercise of this consent shall be carried out in general accordance with the information submitted in support of the application.
2. The contaminants to be discharged shall be limited to cleanfill and/or inert materials. For the purposes of this condition, "clean fill and inert materials" are defined as materials consisting of any concrete, cement or cement wastes, bricks, mortar, tiles (clay, ceramic or concrete), non-tanalised timber, porcelain, glass, gravels, boulders, shingles, fibreglass, plastics, sand, soils and clays, and/or tree stumps and roots, whether singly or in combination or mixture, or any other material that when placed onto and into land will not render that land or any vegetation grown on that land toxic to vegetation or animals consuming vegetation.
3. The discharge of the following contaminants shall not occur: food wastes, paper and cardboard, grass clippings, garden wastes containing green vegetation, textiles, steel, galvanised metals, construction materials containing paint or fillers or sealers or their containers, oils or greases or any liquids or sludges or their containers, any industrial process by-products other than as permitted under condition 2, any poisons or solvents or their containers, batteries, general domestic refuse not otherwise described, or any wastes with the potential to render land or any vegetation grown on the land toxic to vegetation or to animals consuming such vegetation.
4. The discharge to land shall not result in any contaminant entering surface water.
5. Silt retention structures shall be installed and maintained to the satisfaction of the Chief Executive, Taranaki Regional Council.
6. The consent holder shall install and maintain stormwater diversion drains to minimise stormwater movement across, or ponding on the site, to the satisfaction of the Chief Executive, Taranaki Regional Council.
7. Within three months of the granting of this consent a cleanfill management plan is to be submitted and approved by the Chief Executive, Taranaki Regional Council.

## Consent 7089-1

8. Notwithstanding any conditions within this consent, the consent holder shall at all times adopt the best practicable option as defined in section 2 of the Resource Management Act 1991, to prevent or minimise any actual or potential effect on the environment arising from any discharge at the site.
9. Upon completion of the works associated with the exercise of this consent, the discharge site covered by this consent shall be stabilised and revegetated to the satisfaction of the Chief Executive, Taranaki Regional Council.
10. In accordance with section 128 and section 129 of the Resource Management Act 1991, the Taranaki Regional Council may serve notice of its intention to review, amend, delete or add to the conditions of this resource consent by giving notice of review during the month of June 2014 and June 2020, for the purpose of ensuring that the conditions are adequate to deal with any adverse effects on the environment arising from the exercise of this resource consent, which were either not foreseen at the time the application was considered or which it was not appropriate to deal with at the time.

Transferred at Stratford on 20 September 2010

For and on behalf of  
Taranaki Regional Council

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**Director-Resource Management**





**Discharge Permit**  
**Pursuant to the Resource Management Act 1991**  
**a resource consent is hereby granted by the**  
**Taranaki Regional Council**

Name of  
Consent Holder: GR & LJ Jones  
29 Mahoetahi Road  
R D 42  
WAITARA

Consent Granted  
Date: 25 March 2004

**Conditions of Consent**

Consent Granted: To discharge treated stormwater and treated washwater from quarrying and rock crushing operations onto and into land and into an unnamed tributary of the Mangaoraka Stream in the Waiongana catchment at or about GR: Q19:132-426

Expiry Date: 1 June 2020

Review Date(s): June 2008, June 2014

Site Location: Mahoetahi Road, Brixton, Waitara

Legal Description: Pt Lot 3 DP 6390 Lot 3 DP 11974 Lot A DP 2338 Bk III  
Paritutu SD

Catchment: Waiongana

Tributary: Mangaoraka

## Consent 6274-1

### General conditions

- a) On receipt of a requirement from the Chief Executive, Taranaki Regional Council the consent holder shall, within the time specified in the requirement, supply the information required relating to the exercise of this consent.
- b) Unless it is otherwise specified in the conditions of this consent, compliance with any monitoring requirement imposed by this consent must be at the consent holder's own expense.
- c) The consent holder shall pay to the Council all required administrative charges fixed by the Council pursuant to section 36 in relation to:
  - i) the administration, monitoring and supervision of this consent; and
  - ii) charges authorised by regulations.

### Special conditions

1. The consent holder shall at all times adopt the best practicable option, as defined in section 2 of the Resource Management Act 1991, to prevent or minimise any adverse effects on the environment from the exercise of this resource consent.
2. The exercise of this consent shall be undertaken generally in accordance with the documentation submitted in support of application 2812 and to ensure that the conditions of this consent are met at all times. In the case of any contradiction between the documentation submitted in support of application 2812 and the conditions of this consent, the conditions of this consent shall prevail.
3. There shall be no direct discharge of untreated stormwater or washwater from the quarry into the unnamed tributary of the Mangaoraka Stream, as a result of the exercise of this consent.
4. The washing and washwater treatment system shall be bunded to prevent the inflow of stormwater and groundwater from other areas of the quarry. In addition, the consent holder shall implement appropriate recirculatory systems so as to minimise the volume of washwater required to be discharged.
5. The active quarry site shall be contoured/bunded so that: all water generated in this area is directed to the silt control structures for treatment prior to discharge; and the flow of uncontaminated stormwater into this area is prevented.
6. The consent holder shall undertake measures during excavation to control erosion of exposed areas within the quarry site and to minimise the amounts of sediment contained in the stormwater discharge licensed by this consent.
7. The consent holder shall operate and progressively reinstate the quarry site in a manner which ensures that the area of exposed, unvegetated earth within the quarry's stormwater catchment is kept to a minimum at all times.

## Consent 6274-1

8. The maximum disturbed stormwater catchment area shall be no more than two hectares.
9. The consent holder shall properly and efficiently maintain and operate the silt control structures in such a manner that any discharge which may occur shall not breach the conditions of this consent. The silt control structures shall be operated, as far as practicable, so as to maximise the treatment of the stormwater, and to minimise the duration and frequency of the discharge.
10. The following concentrations shall not be exceeded in the discharge:

| <b>Component</b>   | <b>Concentration</b> |
|--|----------------------|
| pH (range)   | 6-9                  |
| total recoverable hydrocarbons<br>[infrared spectroscopic technique] | 15 gm <sup>-3</sup>  |
| Suspended solids   | 100 gm <sup>-3</sup> |

This condition shall apply prior to the entry of the stormwater and washwater into the receiving waters of the unnamed tributary of the Mangaoraka Stream, at a designated sampling point approved by the Chief Executive, Taranaki Regional Council.

11. After allowing for reasonable mixing, within a mixing zone extending 25 metres downstream of the discharge point, the discharge shall not give rise to any of the following effects in the receiving waters of the unnamed tributary of the Mangaoraka Stream:
  - a) the production of any conspicuous oil or grease films, scums or foams, or floatable or suspended material;
  - b) any conspicuous change in the colour or visual clarity;
  - c) any emission of objectionable odour;
  - d) the rendering of fresh water unsuitable for consumption by farm animals;
  - e) any significant adverse effects on aquatic life.
12. After allowing for reasonable mixing, within a mixing zone extending 50 metres downstream of the confluence with the unnamed tributary, the discharge shall not give rise to an increase in turbidity of greater than 50% [in terms of NTU (nephelometric turbidity units)] in the Mangaoraka Stream.
13. Prior to the exercise of this consent, in each of the three areas identified in the documentation submitted in support of application 2812, the consent holder shall provide a site plan, stormwater management plan, and contingency plan to the Taranaki Regional Council. These plans are to outline the measures and procedures to be undertaken to prevent the spillage or accidental discharge of contaminants into the stormwater catchment, and measures to avoid, remedy or mitigate environmental effects from the exercise of this consent.
14. On cessation of quarrying operations at the site licensed by this consent, the active quarry area, including the silt control structures, and surrounding areas shall be reinstated satisfactorily, prior to the surrender or lapsing of this consent.
15. This consent shall lapse on the expiry of five years after the date of issue of this consent, unless the consent is given effect to before the end of that period or the Taranaki Regional Council fixes a longer period pursuant to section 125(1)(b) of the Resource Management Act 1991.

Consent 6274-1

16. In accordance with section 128 and section 129 of the Resource Management Act 1991, the Taranaki Regional Council may serve notice of its intention to review, amend, delete or add to the conditions of this resource consent by giving notice of review during the month of June 2008 and/or June 2014, for the purpose of ensuring that the conditions are adequate to deal with any adverse effects on the environment arising from the exercise of this resource consent, which were either not foreseen at the time the application was considered or which it was not appropriate to deal with at the time.

Signed at Stratford on 25 March 2004

For and on behalf of  
Taranaki Regional Council

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**Director-Resource Management**

**Discharge Permit**  
**Pursuant to the Resource Management Act 1991**  
**a resource consent is hereby granted by the**  
**Taranaki Regional Council**

Name of  
Consent Holder: Jones Quarry Limited  
Gavin Roy & Linda Jean Jones  
29 Mahoetahi Road  
R D 42  
WAITARA

Consent Granted  
Date: 27 January 2009

**Conditions of Consent**

Consent Granted: To discharge cleanfill onto and into land in the vicinity of  
the Mangaoraka Stream at or about (NZTM)  
1702940E-5681127N

Expiry Date: 1 June 2026

Review Date(s): June 2014, June 2020

Site Location: 29 Mahoetahi Road, Waitara

Legal Description: Pt Lot 3 DP 6390 Blk III Paritutu SD

Catchment: Waiongana

Tributary: Mangaoraka

### **General conditions**

- a) On receipt of a requirement from the Chief Executive, Taranaki Regional Council the consent holder shall, within the time specified in the requirement, supply the information required relating to the exercise of this consent.
- b) Unless it is otherwise specified in the conditions of this consent, compliance with any monitoring requirement imposed by this consent must be at the consent holder's own expense.
- c) The consent holder shall pay to the Council all required administrative charges fixed by the Council pursuant to section 36 in relation to:
  - i) the administration, monitoring and supervision of this consent; and
  - ii) charges authorised by regulations.

### **Special conditions**

1. The discharge of cleanfill shall only occur in the open pit area shown in Appendix 1.
2. The contaminants to be discharged shall be limited to cleanfill and/or inert materials. For the purposes of this condition, "clean fill and inert materials" are defined as materials consisting of any concrete, cement or cement wastes, bricks, mortar, tiles (clay, ceramic or concrete), non-tanalised timber, porcelain, glass, gravels, boulders, shingles, fibreglass, plastics, sand, soils and clays, and/or tree stumps and roots, whether singly or in combination or mixture, roading seal/bitumen recovered from existing roading pavements (excluding any freshly prepared roading cover material) or any other material (subject to condition 3) that when placed onto and into land will not render that land or any vegetation grown on that land toxic to vegetation or animals consuming vegetation.
3. The discharge of the following contaminants shall not occur: food wastes, paper and cardboard, grass clippings, garden wastes including but not limited to wastes containing foliage or other vegetation (other than tree stumps and roots as permitted under condition 2), textiles, steel, galvanised metals, construction materials containing paint or fillers or sealers or their containers, oils or greases or any liquids or sludges or their containers, any industrial process by-products other than as permitted under condition 2, any poisons or solvents or their containers, batteries, general domestic refuse not otherwise described, or any wastes with the potential to render land or any vegetation grown on the land toxic to vegetation or to animals consuming such vegetation.
4. If the consent holder is uncertain as to the acceptability or not of a certain material the consent holder shall obtain written approval from the Consents Manager, Taranaki Regional Council, prior to its discharge.
5. The consent holder shall at all times adopt the best practicable option or options [as defined in section 2 of the Resource Management Act 1991] to prevent or minimise any actual or potential effect on the environment arising from any discharge at the site.



Consent 7439-1

6. Upon completion of the cleanfill discharge authorised by this consent, the discharge site shall be stabilised and revegetated.
7. This consent shall lapse on 31 March 2014, unless the consent is given effect to before the end of that period or the Taranaki Regional Council fixes a longer period pursuant to section 125(1)(b) of the Resource Management Act 1991.
8. In accordance with section 128 and section 129 of the Resource Management Act 1991, the Taranaki Regional Council may serve notice of its intention to review, amend, delete or add to the conditions of this resource consent by giving notice of review during the month of June 2014 and/or June 2020, for the purpose of ensuring that the conditions are adequate to deal with any adverse effects on the environment arising from the exercise of this resource consent, which were either not foreseen at the time the application was considered or which it was not appropriate to deal with at the time.

Signed at Stratford on 27 January 2009

For and on behalf of  
Taranaki Regional Council

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**Director-Resource Management**



**Discharge Permit**  
**Pursuant to the Resource Management Act 1991**  
**a resource consent is hereby granted by the**  
**Taranaki Regional Council**

Name of  
Consent Holder: Gibson Family Trust  
(Trustees: Stephen Andrew & Amara Jane Gibson)  
PO Box 35  
Okato 4348

Decision Date: 3 February 2005

Commencement Date: 3 February 2005

**Conditions of Consent**

Consent Granted: To discharge treated stormwater from a quarry onto and into land and into an unnamed tributary of the Warea (Teikaparua) River

Expiry Date: 1 June 2019

Site Location: 202 Upper Newall Road, Newall

Legal Description: Pt Sec 11 Blk XIV Cape SD

Grid Reference (NZTM) 1679600E-5652220N

Catchment: Teikaparua (Warea)

*For General, Standard and Special conditions  
pertaining to this consent please see reverse side of this document*

### **General conditions**

- a) On receipt of a requirement from the Chief Executive, Taranaki Regional Council the consent holder shall, within the time specified in the requirement, supply the information required relating to the exercise of this consent.
- b) Unless it is otherwise specified in the conditions of this consent, compliance with any monitoring requirement imposed by this consent must be at the consent holder's own expense.
- c) The consent holder shall pay to the Council all required administrative charges fixed by the Council pursuant to section 36 in relation to:
  - i) the administration, monitoring and supervision of this consent; and
  - ii) charges authorised by regulations.

### **Special conditions**

1. The consent holder shall at all times adopt the best practicable option, as defined in section 2 of the Resource Management Act 1991, to prevent or minimise any adverse effects on the environment from the exercise of this consent.
2. The exercise of this consent shall be undertaken generally in accordance with the documentation submitted in support of application 3286 and to ensure that the conditions of this consent are met at all times. In the case of any contradiction between the documentation submitted in support of application 3286 and the conditions of this consent, the conditions of this consent shall prevail.
3. There shall be no direct discharge of untreated stormwater from the quarry into the unnamed tributary of the Warea [Teikaparua] River, as a result of the exercise of this consent.
4. The active quarry site shall be contoured and/or bunded so that all water generated in this area is directed to the silt control structures for treatment prior to discharge; and the flow of uncontaminated stormwater into this area is prevented.
5. The consent holder shall undertake measures during excavation to control erosion of exposed areas within the quarry site and to minimise the amounts of sediment contained in the stormwater discharge licensed by this consent.
6. The consent holder shall operate and progressively reinstate the quarry site in a manner which ensures that the area of exposed, unvegetated earth within the quarry's stormwater catchment is kept to a minimum at all times.
7. The maximum disturbed stormwater catchment area shall be no more than 0.5 hectare at any one time.

8. The consent holder shall maintain and operate the silt control structures in such a manner that any discharge which may occur shall not breach the conditions of this consent. The silt control structures shall be operated, as far as practicable, so as to maximise the treatment of the stormwater, and to minimise the duration and frequency of the discharge.
9. The following concentrations shall not be exceeded in the discharge:

| <b>Component</b>   | <b>Concentration</b> |
|--|----------------------|
| pH (range)   | 6-9                  |
| total recoverable hydrocarbons<br>[infrared spectroscopic technique] | 15 gm <sup>-3</sup>  |
| Suspended solids   | 100 gm <sup>-3</sup> |

This condition shall apply prior to the entry of the stormwater into the receiving waters of the unnamed tributary of the Warea [Teikaparua] River, at a designated sampling point approved by the Chief Executive, Taranaki Regional Council.

10. After allowing for reasonable mixing, within a mixing zone extending 25 metres downstream of the confluence of the unnamed tributary and the main stem of the Warea [Teikaparua] River, the discharge shall not give rise to any of the following effects in the receiving waters of the Warea [Teikaparua] River:
  - a) the production of any conspicuous oil or grease films, scums or foams, or floatable or suspended material;
  - b) any conspicuous change in the colour or visual clarity;
  - c) any emission of objectionable odour;
  - d) the rendering of fresh water unsuitable for consumption by farm animals;
  - e) any significant adverse effects on aquatic life.
11. After allowing for reasonable mixing, within a mixing zone extending 25 metres downstream of the confluence of the unnamed tributary and the main stem of the Warea [Teikaparua] River, the discharge shall not give rise to an increase in turbidity of more than 50 % in the Warea [Teikaparua] River, as determined by NTU [nephelometric turbidity units].
12. The consent holder shall fence off the unnamed tributary above its confluence with the main stem of the Warea [Teikaparua] River to prevent stock access at all times to that area.
13. Prior to the exercise of this consent, the consent holder shall provide a site plan, stormwater management plan, and contingency plan to the Taranaki Regional Council. These plans are to outline the measures and procedures to be undertaken to prevent the spillage or accidental discharge of contaminants into the stormwater catchment, and measures to avoid, remedy or mitigate environmental effects from the exercise of this consent.
14. On cessation of quarrying operations or prior to the surrender or lapsing of this consent at the site licensed by this consent, the active quarry area, including the silt control structures, and surrounding areas shall be reinstated to the satisfaction of the Chief Executive, Taranaki Regional Council.

## Consent 6441-1

15. This consent shall lapse on the expiry of five years after the date of issue of this consent, unless the consent is given effect to before the end of that period or the Taranaki Regional Council fixes a longer period pursuant to section 125(1)(b) of the Resource Management Act 1991.
16. In accordance with section 128 and section 129 of the Resource Management Act 1991, the Taranaki Regional Council may serve notice of its intention to review, amend, delete or add to the conditions of this resource consent by giving notice of review during the month of June 2007 and/or June 2013, for the purpose of ensuring that the conditions are adequate to deal with any adverse effects on the environment arising from the exercise of this resource consent, which were either not foreseen at the time the application was considered or which it was not appropriate to deal with at the time.

Transferred at Stratford on 23 April 2015

For and on behalf of  
Taranaki Regional Council

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A D McLay  
**Director - Resource Management**

**Discharge Permit**  
**Pursuant to the Resource Management Act 1991**  
**a resource consent is hereby granted by the**  
**Taranaki Regional Council**

Name of Consent Holder: Gibson Family Trust  
(Trustees: Stephen Andrew & Amara Jane Gibson)  
91 Carthew Street  
OKATO 4335

Decision Date: 16 April 2013

Commencement Date: 16 April 2013

**Conditions of Consent**

Consent Granted: To discharge stormwater from a quarry site into an unnamed tributary of the Matanehunehu Stream

Expiry Date: 1 June 2020

Review Date(s): June 2016

Site Location: 707 Puniho Road, Okato

Legal Description: Lot 3 DP 924 Blk X Cape SD (Discharge source and site)

Grid Reference (NZTM) 1677108E-5656011N

Catchment: Matanehunehu

*For General, Standard and Special conditions  
pertaining to this consent please see reverse side of this document*



### **General condition**

- a. The consent holder shall pay to the Taranaki Regional Council all the administration, monitoring and supervision costs of this consent, fixed in accordance with section 36 of the Resource Management Act 1991.

### **Special conditions**

1. The stormwater discharged shall be from a catchment area not exceeding 0.84 ha.
2. If any area of soil is exposed, all run off from that area shall pass through settlement ponds or sediment traps with a minimum total capacity of;
  - a) 100 cubic metres for every hectare of exposed soil between 1 November to 30 April; and
  - b) 200 cubic metres for every hectare of exposed soil between 1 May to 31 October;unless other sediment control measures that achieve an equivalent standard are agreed to by the Chief Executive of the Taranaki Regional Council.
3. The consent holder shall at all times adopt the best practicable option, as defined in section 2 of the Resource Management Act 1991, to prevent or minimise any actual or likely adverse effect on the environment associated with the discharge of contaminants from the site.
4. The area of the quarry site that is unvegetated shall be contoured and bunded so that all water in this area is directed to the stormwater treatment system prior to discharge.
5. After allowing for reasonable mixing within a mixing zone extending 10 metres downstream of the discharge point, the discharge shall not give rise to any of the following effects in the receiving waters of the unnamed tributary of the Matanehunu Stream:
  - a) the production of any conspicuous oil or grease films, scums or foams, or floatable or suspended materials;
  - b) any conspicuous change in the colour or visual clarity;
  - c) any emission of objectionable odour;
  - d) the rendering of fresh water unsuitable for consumption by farm animals;
  - e) any significant adverse effects on aquatic life.
6. The consent holder shall maintain a stormwater management plan that documents how the site is to be managed to minimise the contaminants that become entrained in the stormwater. This plan shall be followed at all times, shall be certified by the Chief Executive, Taranaki Regional Council, and shall include but not necessarily be limited to:
  - a) the loading and unloading of materials;
  - b) general housekeeping; and
  - c) management of the interceptor system.

## Consent 9547-1

7. The consent holder shall notify the Chief Executive, Taranaki Regional Council, prior to making any changes to the processes or operations undertaken at the site that could alter the nature of the discharge. Any such change shall then only occur following receipt of any necessary approval under the Resource Management Act 1991. Notification shall include the consent number, a brief description of the activity consented and an assessment of the environmental effects of any changes, and be emailed to [consents@trc.govt.nz](mailto:consents@trc.govt.nz).
8. This consent shall lapse on 30 June 2018, unless the consent is given effect to before the end of that period or the Taranaki Regional Council fixes a longer period pursuant to section 125(1)(b) of the Resource Management Act 1991.
9. In accordance with section 128 and section 129 of the Resource Management Act 1991, the Taranaki Regional Council may serve notice of its intention to review, amend, delete or add to the conditions of this resource consent by giving notice of review during the month of June 2016, for the purpose of ensuring that the conditions are adequate to deal with any adverse effects on the environment arising from the exercise of this resource consent, which were either not foreseen at the time the application was considered or which it was not appropriate to deal with at the time.

Signed at Stratford on 16 April 2013

For and on behalf of  
Taranaki Regional Council

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**Chief Executive**



**Discharge Permit**  
**Pursuant to the Resource Management Act 1991**  
**a resource consent is hereby granted by the**  
**Taranaki Regional Council**

Name of  
Consent Holder: Goodin AG Limited  
PO Box 7  
Okato 4348

Decision Date: 26 April 2005

Commencement Date: 26 April 2005

**Conditions of Consent**

Consent Granted: To discharge stormwater and sediment from earthworks associated with metal excavation onto and into land in the vicinity of an unnamed tributary of the Pungaereere Stream

Expiry Date: 01 June 2019

Site Location: Kahui Road, Rahotu

Legal Description: Pt Subdivision I Sec 23 Blk II Opunake SD

Grid Reference (NZTM) 1673660E-5646850N

Catchment: Pungaereere

*For General, Standard and Special conditions  
pertaining to this consent please see reverse side of this document*

### General conditions

- a) On receipt of a requirement from the Chief Executive, Taranaki Regional Council the consent holder shall, within the time specified in the requirement, supply the information required relating to the exercise of this consent.
- b) Unless it is otherwise specified in the conditions of this consent, compliance with any monitoring requirement imposed by this consent must be at the consent holder's own expense.
- c) The consent holder shall pay to the Council all required administrative charges fixed by the Council pursuant to section 36 in relation to:
  - i) the administration, monitoring and supervision of this consent; and
  - ii) charges authorised by regulations.

### Special conditions

1. The consent holder shall at all times adopt the best practicable option, as defined in section 2 the Resource Management Act 1991, to prevent or minimise the discharge of sediment to any surface water body and to prevent or minimise any adverse effects of the discharge on any surface water body.
2. Prior to the exercise of this consent, the consent holder shall provide for the written approval of the Chief Executive, Taranaki Regional Council, a site erosion and sediment control management plan.
3. The Chief Executive, Taranaki Regional Council, shall be advised in writing at least 7 days prior to works commencing.
4. After allowing for reasonable mixing, being a mixing zone extending seven times the width of the surface water body at the point of discharge, the discharge shall not give rise to any of the following effects in any surface water body:
  - a) the production of any conspicuous oil or grease films, scums or foams, or floatable or suspended materials;
  - b) any conspicuous change in the colour or visual clarity;
  - c) any emission of objectionable odour;
  - d) the rendering of fresh water unsuitable for consumption by farm animals;
  - e) any significant adverse effects on aquatic life.
5. The design and management of the earthworks and control of the stormwater discharge shall be generally undertaken in accordance with the information submitted in support of application 3668, and to the satisfaction of the Chief Executive, Taranaki Regional Council.
6. All earthwork areas shall be stabilised vegetatively or otherwise as soon as is practicable immediately following completion of soil disturbance activities to the satisfaction of the Chief Executive, Taranaki Regional Council.
7. This consent shall lapse on the expiry of five years after the date of issue of this consent, unless the consent is given effect to before the end of that period or the Taranaki Regional Council fixes a longer period pursuant to section 125(1)(b) of the Resource Management Act 1991.

## Consent 6585-1

8. In accordance with section 128 and section 129 of the Resource Management Act 1991, the Taranaki Regional Council may serve notice of its intention to review, amend, delete or add to the conditions of this resource consent by giving notice of review during the month of June 2007 and/or June 2013, for the purpose of ensuring that the conditions are adequate to deal with any adverse effects on the environment arising from the exercise of this resource consent, which were either not foreseen at the time the application was considered or which it was not appropriate to deal with at the time.

Transferred at Stratford on 19 December 2014

For and on behalf of  
Taranaki Regional Council

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A D McLay  
**Director - Resource Management**





**Discharge Permit**  
**Pursuant to the Resource Management Act 1991**  
**a resource consent is hereby granted by the**  
**Taranaki Regional Council**

Name of  
Consent Holder: Jones Quarry Limited  
29 Mahoetahi Road  
RD 42  
Waitara 4382

Decision Date: 24 October 2014

Commencement Date: 24 October 2014

**Conditions of Consent**

Consent Granted: To discharge treated stormwater from a quarry site onto and into land and into the Waiwhakaiho River

Expiry Date: 01 June 2032

Review Date(s): June 2020, June 2026

Site Location: 51 Hydro Road, New Plymouth

Legal Description: Pt Secs 1, 3 & 4 Hua and Waiwhakaiho Blk X Paritutu SD  
(Discharge source & Site)

Grid Reference (NZTM) 1698028E-5671428N (Discharge point)

Catchment: Waiwhakaiho

*For General, Standard and Special conditions  
pertaining to this consent please see reverse side of this document*

### General condition

- a. The consent holder shall pay to the Taranaki Regional Council all the administration, monitoring and supervision costs of this consent, fixed in accordance with section 36 of the Resource Management Act 1991.

### Special conditions

1. There shall be no direct discharge of untreated stormwater from the active quarry site into the Waiwhakaiho River, as a result of the exercise of this consent.
2. All stormwater shall be directed through the settling ponds on site, prior to the discharge into the Waiwhakaiho River.
3. The consent holder shall ensure that the discharge outlet into the Waiwhakaiho River will prevent backflow from the river into the settling pond.
4. The consent holder shall properly maintain and operate the settling pond system, including the use of shut off valves, in such a manner that any discharge which may occur does not breach the conditions of this consent. The settling pond system shall be operated, as far as practicable, so as to minimise the duration and frequency of discharges.
5. The treatment system shall be bunded, with silt control measures permanently installed around the bund, to prevent the inflow of stormwater from any other surrounding areas of the quarry.
6. The consent holder shall operate and progressively reinstate the quarry site in a manner which minimises the quarry stormwater catchment area, and ensures that the area of exposed un-vegetated earth within the quarry's stormwater catchment is kept to a minimum at all times.
7. The consent holder shall at all times adopt the best practicable option, as defined in the Resource Management Act 1991, to prevent or minimise any adverse effects of the discharge to the environment.
8. Constituents of the discharge shall meet the standards shown in the following table.

| <b>Constituent</b> | <b>Standard</b>                                     |
|--------------------|---|
| pH                 | Within the range 6.0 to 9.0                         |
| suspended solids   | Concentration not greater than 100 gm <sup>-3</sup> |
| total hydrocarbons | Concentration not greater than 15 gm <sup>-3</sup>  |

This condition shall apply before entry of the treated stormwater into the receiving waters at a designated sampling point approved by the Chief Executive, Taranaki Regional Council.

## Consent 3888-4.0

9. After allowing for reasonable mixing, within a mixing zone extending 50 metres downstream of any discharge point, the discharge shall not give rise to any of the following effects in the receiving waters:
  - a) the production of any conspicuous oil or grease films, scums or foams, or floatable or suspended materials;
  - b) any conspicuous change in the colour or visual clarity;
  - c) any emission of objectionable odour;
  - d) the rendering of fresh water unsuitable for consumption by farm animals;
  - e) any significant adverse effects on aquatic life.
  
10. After allowing for reasonable mixing, within a mixing zone extending 50 metres downstream of any discharge point, the discharge shall not give rise to any of the following effects in the receiving waters:
  - a) an increase in the suspended solids concentration within the Waiwhakaiho River in excess of 10 grams per cubic metre when the turbidity as measured immediately upstream of the discharge point is equal to or less than 5 NTU (nephelometric turbidity units); or
  - b) an increase in the turbidity within the Waiwhakaiho River of more than 50%, where the stream turbidity measured upstream if the discharge is greater than 5 NTU, as determined using NTU.
  
11. The consent holder shall maintain and regularly update a 'Contingency Plan' that details measures and procedures that will be undertaken in the event of spillage or accidental discharge of contaminants not authorised by this consent. The plan shall be approved by the Chief Executive, Taranaki Regional Council, acting in a certification capacity as being adequate to avoid, remedy or mitigate the environmental effects of such an event.
  
12. The consent holder shall notify the Chief Executive, Taranaki Regional Council, prior to making any changes to the processes or operations undertaken at the site, or the chemicals used or stored on site that could alter the nature of the discharge. Any such change shall then only occur following receipt of any necessary approval under the Resource Management Act. Notification shall include the consent number, a brief description of the activity consented and an assessment of the environmental effects of any changes, and be emailed to.
  
13. In accordance with section 128 and section 129 of the Resource Management Act 1991, the Taranaki Regional Council may serve notice of its intention to review, amend, delete or add to the conditions of this resource consent by giving notice of review during the month of June 2020 and/or June 2026, for the purpose of ensuring that the conditions are adequate to deal with any adverse effects on the environment arising from the exercise of this resource consent, which were either not foreseen at the time the application was considered or which it was not appropriate to deal with at the time.

Transferred at Stratford on 10 February 2015

For and on behalf of  
Taranaki Regional Council

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A D McLay  
**Director - Resource Management**



**Discharge Permit**  
**Pursuant to the Resource Management Act 1991**  
**a resource consent is hereby granted by the**  
**Taranaki Regional Council**

Name of  
Consent Holder: Jones Quarry Limited  
29 Mahoetahi Road  
RD 42  
Waitara 4382

Decision Date: 24 October 2014

Commencement Date: 24 October 2014

**Conditions of Consent**

Consent Granted: To discharge treated washwater from shingle washing operations onto and into land and into the Waiwhakaiho River

Expiry Date: 1 June 2032

Review Date(s): June 2020, June 2026

Site Location: 51 Hydro Road, New Plymouth

Legal Description: Pt Secs 1, 3 & 4 Hua and Waiwhakaiho Blk X Paritutu SD  
(Discharge source & site)

Grid Reference (NZTM) 1698028E-5671428N (Discharge point)

Catchment: Waiwhakaiho

*For General, Standard and Special conditions  
pertaining to this consent please see reverse side of this document*

### General condition

- a. The consent holder shall pay to the Taranaki Regional Council all the administration, monitoring and supervision costs of this consent, fixed in accordance with section 36 of the Resource Management Act 1991.

### Special conditions

1. There shall be no direct discharge of untreated stormwater from the active quarry site into the Waiwhakaiho River, as a result of the exercise of this consent.
2. All stormwater shall be directed through the settling ponds on site, prior to the discharge into the Waiwhakaiho River.
3. The consent holder shall ensure that the discharge outlet into the Waiwhakaiho River will prevent backflow from the river into the settling pond.
4. The consent holder shall properly maintain and operate the settling pond system, including the use of shut off valves, in such a manner that any discharge which may occur does not breach the conditions of this consent. The settling pond system shall be operated, as far as practicable, so as to minimise the duration and frequency of discharges.
5. The treatment system shall be bunded, with silt control measures permanently installed around the bund, to prevent the inflow of stormwater from any other surrounding areas of the quarry.
6. The consent holder shall operate and progressively reinstate the quarry site in a manner which minimises the quarry stormwater catchment area, and ensures that the area of exposed un-vegetated earth within the quarry's stormwater catchment is kept to a minimum at all times.
7. The consent holder shall at all times adopt the best practicable option, as defined in the Resource Management Act 1991, to prevent or minimise any adverse effects of the discharge to the environment.
8. Constituents of the discharge shall meet the standards shown in the following table.

| <b>Constituent</b> | <b>Standard</b>                                     |
|--------------------|---|
| pH                 | Within the range 6.0 to 9.0                         |
| suspended solids   | Concentration not greater than 100 gm <sup>-3</sup> |
| total hydrocarbons | Concentration not greater than 15 gm <sup>-3</sup>  |

This condition shall apply before entry of the treated stormwater into the receiving waters at a designated sampling point approved by the Chief Executive, Taranaki Regional Council.

## Consent 3912-4.0

9. After allowing for reasonable mixing, within a mixing zone extending 50 metres downstream of any discharge point, the discharge shall not give rise to any of the following effects in the receiving waters:
  - a) the production of any conspicuous oil or grease films, scums or foams, or floatable or suspended materials;
  - b) any conspicuous change in the colour or visual clarity;
  - c) any emission of objectionable odour;
  - d) the rendering of fresh water unsuitable for consumption by farm animals;
  - e) any significant adverse effects on aquatic life.
  
10. After allowing for reasonable mixing, within a mixing zone extending 50 metres downstream of any discharge point, the discharge shall not give rise to any of the following effects in the receiving waters:
  - a) an increase in the suspended solids concentration within the Waiwhakaiho River in excess of 10 grams per cubic metre when the turbidity as measured immediately upstream of the discharge point is equal to or less than 5 NTU (nephelometric turbidity units); or
  - b) an increase in the turbidity within the Waiwhakaiho River of more than 50%, where the stream turbidity measured upstream if the discharge is greater than 5 NTU, as determined using NTU.
  
11. The consent holder shall maintain and regularly update a 'Contingency Plan' that details measures and procedures that will be undertaken in the event of spillage or accidental discharge of contaminants not authorised by this consent. The plan shall be approved by the Chief Executive, Taranaki Regional Council, acting in a certification capacity as being adequate to avoid, remedy or mitigate the environmental effects of such an event.
  
12. The consent holder shall notify the Chief Executive, Taranaki Regional Council, prior to making any changes to the processes or operations undertaken at the site, or the chemicals used or stored on site that could alter the nature of the discharge. Any such change shall then only occur following receipt of any necessary approval under the Resource Management Act. Notification shall include the consent number, a brief description of the activity consented and an assessment of the environmental effects of any changes, and be emailed to.
  
13. In accordance with section 128 and section 129 of the Resource Management Act 1991, the Taranaki Regional Council may serve notice of its intention to review, amend, delete or add to the conditions of this resource consent by giving notice of review during the month of June 2020 and/or June 2026, for the purpose of ensuring that the conditions are adequate to deal with any adverse effects on the environment arising from the exercise of this resource consent, which were either not foreseen at the time the application was considered or which it was not appropriate to deal with at the time.

Transferred at Stratford on 10 February 2015

For and on behalf of  
Taranaki Regional Council

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A D McLay  
**Director - Resource Management**





**Discharge Permit**  
**Pursuant to the Resource Management Act 1991**  
**a resource consent is hereby granted by the**  
**Taranaki Regional Council**

Name of  
Consent Holder: Jones Quarry Limited  
29 Mahoetahi Road  
RD 42  
Waitara 4382

Decision Date: 21 February 2008

Commencement Date: 21 February 2008

**Conditions of Consent**

Consent Granted: To discharge clean-fill onto and into land for quarry reinstatement purposes in the vicinity of the Waiwhakaiho River

Expiry Date: 1 June 2026

Review Date(s): June 2020

Site Location: Hydro Road, New Plymouth

Legal Description: Pt Sec 3 Hua & Waiwhakaiho Hun Blk Paritutu SD

Grid Reference (NZTM) 1698060E-5671340N

Catchment: Waiwhakaiho

*For General, Standard and Special conditions  
pertaining to this consent please see reverse side of this document*

### General conditions

- a) On receipt of a requirement from the Chief Executive, Taranaki Regional Council the consent holder shall, within the time specified in the requirement, supply the information required relating to the exercise of this consent.
- b) Unless it is otherwise specified in the conditions of this consent, compliance with any monitoring requirement imposed by this consent must be at the consent holder's own expense.
- c) The consent holder shall pay to the Council all required administrative charges fixed by the Council pursuant to section 36 in relation to:
  - i) the administration, monitoring and supervision of this consent; and
  - ii) charges authorised by regulations.

### Special conditions

1. The exercise of this consent shall be undertaken generally in accordance with the documentation submitted in support of the application 5101. In the case of any contradiction between the documentation submitted in support of application 5101 and the conditions of this consent, the conditions of this consent shall prevail.
2. The contaminants to be discharged shall be limited to clean-fill and/or inert materials. For the purposes of this condition, "clean-fill and inert materials" are defined as materials consisting of any concrete, cement or cement wastes, bricks, mortar, tiles (clay, ceramic or concrete), non-tanalised timber, porcelain, glass, gravels, boulders, shingles, fibreglass, plastics, sand, soils and clays, and/or tree stumps and roots, whether singly or in combination or mixture, or any other material (subject to condition 3) that when placed onto and into land will not render that land or any vegetation grown on that land toxic to vegetation or animals consuming vegetation.
3. The discharge of the following contaminants shall not occur: food wastes, paper and cardboard, grass clippings, garden wastes including but not limited to wastes containing foliage or other vegetation other than tree stumps and roots as permitted under condition (2), textiles, steel, galvanised metals, construction materials containing paint or fillers or sealers or their containers, oils or greases or any liquids or sludges or their containers, any industrial process by-products other than as permitted under condition (2), any poisons or solvents or their containers, batteries, general domestic refuse not otherwise described, or any wastes with the potential to render land or any vegetation grown on the land toxic to vegetation or to animals consuming such vegetation.
4. If the consent holder is uncertain as to the acceptability or not of a certain material the consent holder shall obtain written approval from the Consents Manager, Taranaki Regional Council, prior to its discharge.
5. No clean-fill shall be discharged within 20 metres of the bank of the Waiwhakaiho River.
6. The discharge to land shall not result in any clean-fill material entering surface water.

## Consent 4912-2

7. The consent holder shall monitor all material dumped to ensure it only contains clean-fill and inert materials.
8. The site shall be locked during non-quarrying hours and when the consent holder or an authorised agent is not on-site.
9. Within sixty days of the granting of this consent, the consent holder shall produce a detailed updated management plan covering all aspects of the reinstatement operation, including:
  - a) Resource consent requirements
  - b) Site management
  - c) Waste acceptance criteria
  - d) Waste acceptance controls and procedures
  - e) Daily operating procedures
  - f) Clean-fill boundaries and planned future use of the site.
  - g) Environmental controls and monitoring
  - h) Emergency procedures

The management plan shall be to the satisfaction of the Chief Executive, Taranaki Regional Council.

10. Upon completion of the works associated with the exercise of this consent, the discharge site covered by this consent shall be stabilised and revegetated.
11. The consent holder shall provide any person depositing material in the site with a list of the materials approved for dumping at the clean-fill.
12. This consent shall lapse on the expiry of five years after the date of issue of this consent, unless the consent is given effect to before the end of that period or the Taranaki Regional Council fixes a longer period pursuant to section 125(1)(b) of the Resource Management Act 1991.
13. In accordance with section 128 and section 129 of the Resource Management Act 1991, the Taranaki Regional Council may serve notice of its intention to review, amend, delete or add to the conditions of this resource consent by giving notice of review during the month of June 2014 and June 2020, for the purpose of ensuring that the conditions are adequate to deal with any adverse effects on the environment arising from the exercise of this resource consent, which were either not foreseen at the time the application was considered or which it was not appropriate to deal with at the time.

Transferred at Stratford on 10 February 2015

For and on behalf of  
Taranaki Regional Council

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A D McLay  
**Director - Resource Management**



**Discharge Permit**  
**Pursuant to the Resource Management Act 1991**  
**a resource consent is hereby granted by the**  
**Taranaki Regional Council**

Name of  
Consent Holder: Jones Quarry Uruti Stone Limited  
29 Mahoetahi Road  
RD 42  
Waitara 4382

Decision Date: 4 September 2015

Commencement Date: 4 September 2015

**Conditions of Consent**

Consent Granted: To discharge stormwater from a quarry site onto and into land and into an unnamed tributary of the Mimi River and dam

Expiry Date: 1 June 2033

Review Date(s): June 2021, June 2027

Site Location: 1320 Mokau Road, Uruti

Grid Reference (NZTM) 1730756E-5685498N  
1730617E-5685753N  
1730781E-5685430N

Catchment: Mimi

*For General, Standard and Special conditions  
pertaining to this consent please see reverse side of this document*

### General condition

- a. The consent holder shall pay to the Taranaki Regional Council all the administration, monitoring and supervision costs of this consent, fixed in accordance with section 36 of the Resource Management Act 1991.

### Special conditions

1. This consent authorises the discharge of treated stormwater into an unnamed tributary of the Mimi River and dam, as described in the information provided with the application. In the case of any contradiction between the details of information provided and the conditions of this consent, the conditions of this consent shall prevail.
2. The discharge of stormwater through the site into the unnamed tributary of the Mimi River and the dam shall be managed in accordance with the:

- a) *Proposed Stormwater Management Plan* for the Upper Quarry Site; and
- b) *Proposed Stormwater and Washwater Management Plan* for the Lower Quarry Site;

which are attached as Appendices 1 and 2 of this consent. The implementation of these plans shall be completed by 1 December 2015 and its maintenance shall continue throughout the life of the quarry operation to ensure that stormwater is adequately managed and treated prior to the discharge into the receiving environment.

*Note: This consent does not authorise, or in any way imply that the consent holder may access any site that does not belong to the consent holder.*

3. In addition to managing the site as required in condition 2 above, the consent holder shall prepare a 'Management Plan' to be approved by the Chief Executive, Taranaki Regional Council, acting in a certification capacity. The plan shall detail how the silt control structures will be effectively operated and maintained in such a manner that the discharge complies with the condition of the consent, and shall include as minimum:
  - a) management of the interceptor system, including the cleaning out of sand trap and sediment ponds;
  - b) stockpiling and/or disposal of quarried and cleaned out material;
  - c) stabilisation of stockpiled cleaned-out material; and
  - d) general maintenance of the sediment control measures.

A Stormwater Management Plan template is available in the Environment section of the Taranaki Regional Council's web site [www.trc.govt.nz](http://www.trc.govt.nz).

4. The consent holder shall at all times adopt the best practicable option, as defined in section 2 of the Resource Management Act 1991, to prevent or minimise any adverse effects on the environment from the exercise of this consent.
5. The consent holder shall operate and progressively reinstate the quarry site in a manner which ensures that the area of exposed, un-vegetated earth, within the quarry's stormwater catchment is kept to a minimum at all times.

## Consent 5124-2.0

6. The consent holder shall ensure that at any one time the stormwater catchment of the discharge and the areas exposed shall be no greater than:
  - a) 2 ha at the lower quarry site; and
  - b) 3 ha at the upper quarry site.

7. Constituents of the discharge shall meet the standards shown in the following table.

| <b>Constituent</b>             | <b>Standard</b>                                     |
|--------------------------------|---|
| pH                             | Within the range 6.0 to 9.0                         |
| suspended solids               | Concentration not greater than 100 gm <sup>-3</sup> |
| total recoverable hydrocarbons | Concentration not greater than 15 gm <sup>-3</sup>  |

This condition shall apply before entry of the treated stormwater into the unnamed tributary of the Mimi River and the dam at designated sampling points approved by the Chief Executive, Taranaki Regional Council.

8. After allowing for reasonable mixing, within a mixing zone extending 25 metres downstream of any discharge point, the discharge shall not give rise to any of the following effects in the receiving waters:
  - a) the production of any conspicuous oil or grease films, scums or foams, or floatable or suspended materials;
  - b) any conspicuous change in the colour or visual clarity;
  - c) any emission of objectionable odour;
  - d) the rendering of fresh water unsuitable for consumption by farm animals;
  - e) any significant adverse effects on aquatic life.
9. After allowing for reasonable mixing, within a mixing zone extending 25 metres downstream of any discharge point, the discharge shall not give rise to any of the following effects in the receiving waters:
  - a) an increase in the suspended solids concentration within the unnamed tributary of the Mimi River in excess of 10 grams per cubic metres when the turbidity as measured immediately upstream of the discharge point is equal to or less than 5 NTU (nephelometric turbidity units); or
  - b) an increase in the turbidity within the unnamed tributary of the Mimi River of more than 50%, where the stream turbidity measured upstream if the discharge is greater than 5 NTU, as determined using NTU (nephelometric turbidity units).
10. The consent holder shall prepare, maintain and regularly update a 'Contingency Plan' that details measures and procedures that will be undertaken to prevent, and to avoid environmental effects from, a spillage or any discharge of contaminants not authorised by this consent. The plan shall be approved by the Chief Executive, Taranaki Regional Council, acting in a certification capacity.

## Consent 5124-2.0

11. The consent holder shall notify the Chief Executive, Taranaki Regional Council, prior to making any changes to the processes or operations undertaken at the site, or the chemicals used or stored on site that could alter the nature of the discharge. Any such change shall then only occur following receipt of any necessary approval under the Resource Management Act 1991. Notification shall include the consent number, a brief description of the activity consented and an assessment of the environmental effects of any changes, and be emailed to [consents@trc.govt.nz](mailto:consents@trc.govt.nz).
12. In accordance with section 128 and section 129 of the Resource Management Act 1991, the Taranaki Regional Council may serve notice of its intention to review, amend, delete or add to the conditions of this resource consent by giving notice of review during the month of June 2021 and/or June 2027, for the purpose of ensuring that the conditions are adequate to deal with any adverse effects on the environment arising from the exercise of this resource consent, which were either not foreseen at the time the application was considered or which it was not appropriate to deal with at the time.

Transferred at Stratford on 24 October 2017

For and on behalf of  
Taranaki Regional Council

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A D McLay  
**Director - Resource Management**



# Appendix 1 Proposed Stormwater Management Plan – Upper Quarry Site



## Appendix 2: Proposed Stormwater and Washwater Management Plan Lower Quarry Site





**Discharge Permit**  
**Pursuant to the Resource Management Act 1991**  
**a resource consent is hereby granted by the**  
**Taranaki Regional Council**

Name of  
Consent Holder: Jones Quarry Uruti Stone Limited  
29 Mahoetahi Road  
RD 42  
Waitara 4382

Decision Date  
(Change): 4 September 2015

Commencement Date  
(Change): 4 September 2015 (Granted Date: 9 February 2004)

**Conditions of Consent**

Consent Granted: To discharge treated washwater from a quarry site into an unnamed tributary of the Mimi River and dam

Expiry Date: 1 June 2021

Site Location: 1320 Main North Road, Uruti

Grid Reference (NZTM) 1730756E-5685498N  
1730617E-5685753N  
1730781E-5685430N

Catchment: Mimi

*For General, Standard and Special conditions  
pertaining to this consent please see reverse side of this document*

### General conditions

- a) On receipt of a requirement from the Chief Executive, Taranaki Regional Council the consent holder shall, within the time specified in the requirement, supply the information required relating to the exercise of this consent.
- b) Unless it is otherwise specified in the conditions of this consent, compliance with any monitoring requirement imposed by this consent must be at the consent holder's own expense.
- c) The consent holder shall pay to the Council all required administrative charges fixed by the Council pursuant to section 36 in relation to:
  - i) the administration, monitoring and supervision of this consent; and
  - ii) charges authorised by regulations.

### Special conditions

1. This consent authorises the discharge of treated washwater into an unnamed tributary of the Mimi River and dam, as described in the information provided with the application. In the case of any contradiction between the details of information provided and the conditions of this consent, the conditions of this consent shall prevail.
2. The discharge of treated washwater shall be managed in accordance with the '*Proposed Stormwater and Washwater Management Plan*' for the Lower quarry site attached as attachment 1 of this consent. The implementation of this plan shall be completed by 1 December 2015 and its maintenance shall continue throughout the life of the quarry operation to ensure that washwater is adequately managed and treated prior to the discharge into the receiving environment.
3. In addition to managing the site as required in condition 2 above, the consent holder shall prepare a 'Management Plan' to be approved by the Chief Executive, Taranaki Regional Council, acting in a certification capacity. The plan shall detail how the silt control structures will be effectively operated and maintained in such a manner that the discharge complies with the condition of the consent, and shall include as minimum:
  - a) management of the interceptor system, including the cleaning out of sand trap and sediment ponds;
  - b) stockpiling and/or disposal of quarried and cleaned out material;
  - c) stabilisation of stockpiled cleaned-out material; and
  - d) general maintenance of the sediment control measures.
4. There shall be no direct discharge of untreated washwater from the site into the unnamed tributary of the Mimi River and the dam as a result of the exercise of this consent.

## Consent 6272-1.1

5. The consent holder shall implement appropriate re-circulatory systems, so as to minimise the volume of the washwater discharge.
6. The consent holder shall at all times adopt the best practicable option, as defined in section 2 of the Resource Management Act 1991, to prevent or minimise any adverse effects on the environment from the exercise of this consent.
7. Constituents of the discharge shall meet the standards shown in the following table.

| <b>Constituent</b>             | <b>Standard</b>                                     |
|--------------------------------|---|
| pH                             | Within the range 6.0 to 9.0                         |
| suspended solids               | Concentration not greater than 100 gm <sup>-3</sup> |
| total recoverable hydrocarbons | Concentration not greater than 15 gm <sup>-3</sup>  |

This condition shall apply before entry of the treated stormwater into the unnamed tributary of the Mimi River and the dam at designated sampling points approved by the Chief Executive, Taranaki Regional Council.

8. After allowing for reasonable mixing, within a mixing zone extending 25 metres downstream of any discharge point, the discharge shall not give rise to any of the following effects in the receiving waters:
  - a) the production of any conspicuous oil or grease films, scums or foams, or floatable or suspended materials;
  - b) any conspicuous change in the colour or visual clarity;
  - c) any emission of objectionable odour;
  - d) the rendering of fresh water unsuitable for consumption by farm animals;
  - e) any significant adverse effects on aquatic life.
9. After allowing for reasonable mixing, within a mixing zone extending 25 metres downstream of any discharge point, the discharge shall not give rise to any of the following effects in the receiving waters:
  - a) an increase in the suspended solids concentration within the unnamed tributary of the Mimi River in excess of 10 grams per cubic metres when the turbidity as measured immediately upstream of the discharge point is equal to or less than 5 NTU (nephelometric turbidity units); or
  - b) an increase in the turbidity within the unnamed tributary of the Mimi River of more than 50%, where the stream turbidity measured upstream if the discharge is greater than 5 NTU, as determined using NTU (nephelometric turbidity units).
10. The consent holder shall prepare, maintain and regularly update a 'Contingency Plan' that details measures and procedures that will be undertaken to prevent, and to avoid environmental effects from, a spillage or any discharge of contaminants not authorised by this consent. The plan shall be approved by the Chief Executive, Taranaki Regional Council, acting in a certification capacity.

## Consent 6272-1.1

11. The consent holder shall notify the Chief Executive, Taranaki Regional Council, prior to making any changes to the processes or operations undertaken at the site, or the chemicals used or stored on site that could alter the nature of the discharge. Any such change shall then only occur following receipt of any necessary approval under the Resource Management Act 1991. Notification shall include the consent number, a brief description of the activity consented and an assessment of the environmental effects of any changes, and be emailed to [consents@trc.govt.nz](mailto:consents@trc.govt.nz).

Transferred at Stratford on 24 October 2017

For and on behalf of  
Taranaki Regional Council

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A D McLay  
**Director - Resource Management**

### Attachment 1: Proposed Stormwater and Washwater Management Plan Lower Quarry Site







**Land Use Consent**  
**Pursuant to the Resource Management Act 1991**  
**a resource consent is hereby granted by the**  
**Taranaki Regional Council**

Name of  
Consent Holder: Valley Rock Limited  
PO Box 2038  
Stortford Lodge  
Hastings 4153

Decision Date: 4 September 2015

Commencement Date: 4 September 2015

**Conditions of Consent**

Consent Granted: To use an earth dam in an unnamed tributary of the Mimi River

Expiry Date: 1 June 2033

Review Date(s): June 2021, June 2027

Site Location: 1320 Mokau Road, Uruiti

Legal Description: Lot 3 DP 19810 Lots 1-3 DP 19865 Pt Sec 14 SO 347 Blk I  
Upper Waitara SD (Site of structure)

Grid Reference (NZTM) 1730781E-5685430N

Catchment: Mimi

*For General, Standard and Special conditions  
pertaining to this consent please see reverse side of this document*

**General condition**

- a. The consent holder shall pay to the Taranaki Regional Council all the administration, monitoring and supervision costs of this consent, fixed in accordance with section 36 of the Resource Management Act 1991.

**Special conditions**

1. The structure shall be constructed in accordance with the details provided in the application provided to the Taranaki Regional Council on 9 July 2015. In the case of any contradiction between the details and the conditions of this consent, the conditions of this consent shall prevail.
2. The dam shall be located at approximate grid reference (NZTM) 1730781E - 5685430N.
3. The dam height shall be no more than 3 metres.
4. The spillway width shall be no less than 2.5 metres wide.
5. The dam crest to the invert of the spillway shall be no less than 1.5 metres high.
6. The consent holder shall notify the Chief Executive, Taranaki Regional Council, in writing at least 48 hours prior to commencing construction of any remedial works on the dam. Notification shall include the consent number and a brief description of the activity consented and emailed to [worknotification@trc.govt.nz](mailto:worknotification@trc.govt.nz).
7. The spillway shall be maintained to ensure that it does not erode or become blocked, and at all times, allow the free flow of water through it, throughout the life of the dam.
8. In accordance with section 128 and section 129 of the Resource Management Act 1991, the Taranaki Regional Council may serve notice of its intention to review, amend, delete or add to the conditions of this resource consent by giving notice of review during the month of June 2021 and/or June 2027, for the purpose of ensuring that the conditions are adequate to deal with any adverse effects on the environment arising from the exercise of this resource consent, which were either not foreseen at the time the application was considered or which it was not appropriate to deal with at the time.

Transferred at Stratford on 25 January 2016

For and on behalf of  
Taranaki Regional Council

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A D McLay  
**Director - Resource Management**

**Water Permit**  
**Pursuant to the Resource Management Act 1991**  
**a resource consent is hereby granted by the**  
**Taranaki Regional Council**

Name of  
Consent Holder: Jones Quarry Uruti Stone Limited  
29 Mahoetahi Road  
RD 42  
Waitara 4382

Decision Date: 4 September 2015

Commencement Date: 4 September 2015

**Conditions of Consent**

Consent Granted: To take and use water from an earth dam in an unnamed tributary of the Mimi River

Expiry Date: 1 June 2033

Review Date(s): June 2021, June 2027

Site Location: 1320 Mokau Road, Uruti

Grid Reference (NZTM) 1730781E-5685430N

Catchment: Mimi

*For General, Standard and Special conditions  
pertaining to this consent please see reverse side of this document*

**General condition**

- a. The consent holder shall pay to the Taranaki Regional Council all the administration, monitoring and supervision costs of this consent, fixed in accordance with section 36 of the Resource Management Act 1991.

**Special conditions**

1. The rate of taking shall not exceed 3 litres per second, and the volume taken in any 7 day period shall not exceed 75.6 cubic metres.

*Note: At a rate of 3 litres per second, the maximum daily volume would be taken in 10 hours.*

2. No taking shall occur when the flow immediately downstream of the dam is less than 2 litres per second.
3. At all times the consent holder shall adopt the best practicable option to prevent or minimise any actual or likely adverse effect on the environment associated with the abstraction of water, including, but not limited to, the efficient and conservative use of water.
4. The consent holder shall maintain a record of the taking including date, rate, pumping hours and daily volume abstracted and supply these records to the Chief Executive, Taranaki Regional Council, no later than 31 July of each year, or earlier upon request.
5. The consent holder shall ensure that the intake is screened to avoid fish (in all stages of their life-cycle) entering the intake or being trapped against the screen.
6. In accordance with section 128 and section 129 of the Resource Management Act 1991, the Taranaki Regional Council may serve notice of its intention to review, amend, delete or add to the conditions of this resource consent by giving notice of review during the month of June 2021 and/or June 2027, for the purposes of ensuring that the conditions are adequate to deal with any adverse effects on the environment arising from the exercise of this resource consent, which were either not foreseen at the time the application was considered or which it was not appropriate to deal with at the time.

Transferred at Stratford on 24 October 2017

For and on behalf of  
Taranaki Regional Council

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A D McLay  
**Director - Resource Management**

**Discharge Permit**  
**Pursuant to the Resource Management Act 1991**  
**a resource consent is hereby granted by the**  
**Taranaki Regional Council**

Name of  
Consent Holder: Richard John Dreaver  
257 Kairau Road East  
R D 3  
NEW PLYMOUTH 4373

Decision Date: 25 March 2013

Commencement Date: 25 March 2013

**Conditions of Consent**

Consent Granted: To discharge stormwater from a quarry site into an unnamed tributary of the Waiongana Stream

Expiry Date: 1 June 2032

Review Date(s): June 2020, June 2026

Site Location: 257 Kairau Road East, Brixton

Legal Description: Lot 2 DP 428639 (discharge site)

Grid Reference (NZTM) 1704407E-5680070N

Catchment: Waiongana

*For General, Standard and Special conditions  
pertaining to this consent please see reverse side of this document*

### **General condition**

- a. The consent holder shall pay to the Taranaki Regional Council all the administration, monitoring and supervision costs of this consent, fixed in accordance with section 36 of the Resource Management Act.

### **Special conditions**

1. The active area of the quarry shall not exceed 0.25 hectares at any one time.
2. If any area of soil is exposed, all run off from that area shall pass through settlement ponds or sediment traps with a minimum total capacity of;
  - a) 100 cubic metres for every hectare of exposed soil between 1 November to 30 April; and
  - b) 200 cubic metres for every hectare of exposed soil between 1 May to 31 October; unless other sediment control measures that achieve an equivalent standard are agreed to by the Chief Executive of the Taranaki Regional Council.
3. All earthworked areas shall be stabilised vegetatively or otherwise as soon as is practicable immediately following completion of soil disturbance activities.
4. The consent holder shall at all times adopt the best practicable option, as defined in section 2 of the Resource Management Act 1991, to prevent or minimise any actual or likely adverse effect on the environment associated with the discharge of contaminants from the site.
5. The active quarry site shall be contoured and bunded so that all water in this area is directed to the settlement ponds for treatment prior to discharge.
6. The concentration of suspended solids shall not exceed 50 gm-3 in any discharge. This condition shall apply prior to the entry of any discharge into the receiving waters of the unnamed tributary of the Waiongana Stream.
7. After allowing for reasonable mixing within a mixing zone extending 10 metres downstream of the discharge point, the discharge shall not give rise to any of the following effects in the receiving waters of the unnamed tributary of the Waiongana Stream:
  - a) the production of any conspicuous oil or grease films, scums or foams, or floatable or suspended materials;
  - b) any conspicuous change in the colour or visual clarity;
  - c) any emission of objectionable odour;
  - d) the rendering of fresh water unsuitable for consumption by farm animals;
  - e) any significant adverse effects on aquatic life.
8. This consent shall lapse on 31 March 2018, unless the consent is given effect to before the end of that period or the Taranaki Regional Council fixes a longer period pursuant to section 125(1)(b) of the Resource Management Act 1991.

Consent 9526-1

9. In accordance with section 128 and section 129 of the Resource Management Act 1991, the Taranaki Regional Council may serve notice of its intention to review, amend, delete or add to the conditions of this resource consent by giving notice of review during the month of June 2020 and/or June 2026, for the purpose of ensuring that the conditions are adequate to deal with any adverse effects on the environment arising from the exercise of this resource consent, which were either not foreseen at the time the application was considered or which it was not appropriate to deal with at the time.

Signed at Stratford on 25 March 2013

For and on behalf of  
Taranaki Regional Council

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**Director-Resource Management**





**Discharge Permit**  
**Pursuant to the Resource Management Act 1991**  
**a resource consent is hereby granted by the**  
**Taranaki Regional Council**

Name of Consent Holder: Richard John Dreaver  
257 Kairau Road East  
R D 3  
NEW PLYMOUTH 4373

Decision Date: 25 March 2013

Commencement Date: 25 March 2013

**Conditions of Consent**

Consent Granted: To discharge cleanfill onto and into land and into water

Expiry Date: 1 June 2032

Review Date(s): June 2020, June 2026

Site Location: 257 Kairau Road East, Brixton

Legal Description: Lot 2 DP 428639 (discharge site)

Grid Reference (NZTM) 1704328E-5680030N

Catchment: Waiongana

*For General, Standard and Special conditions  
pertaining to this consent please see reverse side of this document*

### General condition

- a. The consent holder shall pay to the Taranaki Regional Council [the Council] all the administration, monitoring and supervision costs of this consent, fixed in accordance with section 36 of the Resource Management Act.

### Special conditions

1. The discharge of cleanfill shall only occur in the area shaded on the plan attached [appendix 1].
2. The contaminants to be discharged shall be limited to cleanfill and/or inert materials. For the purposes of this condition, “clean fill and inert materials” are defined as materials consisting of any concrete, cement or cement wastes, bricks, mortar, tiles [clay, ceramic or concrete], non-tanalised timber, porcelain, glass, gravels, boulders, shingles, fibreglass, plastics, sand, soils and clays, and/or tree stumps and roots, whether singly or in combination or mixture, or any other material [subject to condition 3] that when placed onto and into land will not render that land or any vegetation grown on that land toxic to vegetation or animals consuming vegetation.
3. The discharge of the following contaminants shall not occur: food wastes, paper and cardboard, grass clippings, garden wastes including but not limited to wastes containing foliage or other vegetation [other than tree stumps and roots as permitted under condition 2], textiles, steel, galvanised metals, construction materials containing paint or fillers or sealers or their containers, oils or greases or any liquids or sludges or their containers, any industrial process by-products other than as permitted under condition 2, any poisons or solvents or their containers, batteries, general domestic refuse not otherwise described, or any wastes with the potential to render land or any vegetation grown on the land toxic to vegetation or to animals consuming such vegetation.
4. If the consent holder is uncertain as to the acceptability or not of a certain material the consent holder shall obtain written approval from the Consents Manager, Taranaki Regional Council, prior to its discharge.
5. In regard to any springs/ groundwater found in the fill area the consent holder shall:
  - (i) prevent contact between the spring water/groundwater and any discharged biodegradable materials allowed in condition 2 (plastics, timber, trees stumps and tree roots) and;
  - (ii) provide a flow path for the spring water/groundwater to exit the fill area.
6. Silt retention structures shall be installed and maintained at the toe of the cleanfill discharge area to minimise silt and sediment discharge. Installing silt retention structures in accordance with *Guidelines for Earthworks in the Taranaki region*, by the Taranaki Regional Council, will achieve compliance with this condition.
7. The consent holder shall install and maintain stormwater diversion drains to minimise stormwater entering the cleanfill discharge area to the satisfaction of the Chief Executive, Taranaki Regional Council.

## Consent 9527-1

8. The consent holder shall at all times adopt the best practicable option or options [as defined in section 2 of the Resource Management Act 1991] to prevent or minimise any actual or potential effect on the environment arising from any discharge at the site.
9. Upon completion of the cleanfill discharge authorised by this consent, the discharge site shall be stabilised and re-vegetated to the satisfaction of the Chief Executive, Taranaki Regional Council.
10. This consent shall lapse on 31 March 2018, unless the consent is given effect to before the end of that period or the Taranaki Regional Council fixes a longer period pursuant to section 125(1)(b) of the Resource Management Act 1991.
11. In accordance with section 128 and section 129 of the Resource Management Act 1991, the Taranaki Regional Council may serve notice of its intention to review, amend, delete or add to the conditions of this resource consent by giving notice of review during the month of June 2020 and/or June 2026, for the purpose of ensuring that the conditions are adequate to deal with any adverse effects on the environment arising from the exercise of this resource consent, which were either not foreseen at the time the application was considered or which it was not appropriate to deal with at the time.

Signed at Stratford on 25 March 2013

For and on behalf of  
Taranaki Regional Council

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**Director-Resource Management**

Appendix 1



Area authorised for cleanfill

**Water Permit**  
**Pursuant to the Resource Management Act 1991**  
**a resource consent is hereby granted by the**  
**Taranaki Regional Council**

Name of  
Consent Holder: Taranaki Trucking Company Limited  
PO Box 65  
Stratford 4352

Decision Date  
(Change): 16 November 2017

Commencement Date  
(Change): 16 November 2017 (Granted Date: 30 November 2012)

**Conditions of Consent**

Consent Granted: To take water from an excavated pond in the vicinity of  
an unnamed tributary of the Heimama Stream for  
quarrying operations

Expiry Date: 1 June 2030

Review Date(s): June 2018, June 2024

Site Location: 1017 Wiremu Road, Opunake

Grid Reference (NZTM) 1679110E-5641630N

Catchment: Heimama

*For General, Standard and Special conditions  
pertaining to this consent please see reverse side of this document*

**General condition**

- a. The consent holder shall pay to the Taranaki Regional Council all the administration, monitoring and supervision costs of this consent, fixed in accordance with section 36 of the Resource Management Act 1991.

**Special conditions**

1. The volume of water taken shall not exceed 320 cubic metres per day, at a rate not exceeding 4.8 litres per second.
2. At all times the consent holder shall adopt the best practicable option to prevent or minimise any actual or likely adverse effect on the environment associated with the abstraction of water, including, but not limited to, the efficient and conservative use of water.
3. In accordance with section 128 and section 129 of the Resource Management Act 1991, the Taranaki Regional Council may serve notice of its intention to review, amend, delete or add to the conditions of this resource consent by giving notice of review during the month of June 2018 and/or June 2024, for the purposes of:
  - a) ensuring that the conditions are adequate to deal with any adverse effects on the environment arising from the exercise of this resource consent, which were either not foreseen at the time the application was considered or which it was not appropriate to deal with at the time; and/or
  - b) to require any data collected in accordance with the conditions of this consent to be transmitted directly to the Council's computer system, in a format suitable for providing a 'real time' record over the internet.

Signed at Stratford on 16 November 2017

For and on behalf of  
Taranaki Regional Council

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A D McLay  
**Director - Resource Management**

**Discharge Permit**  
**Pursuant to the Resource Management Act 1991**  
**a resource consent is hereby granted by the**  
**Taranaki Regional Council**

Name of  
Consent Holder: Taranaki Trucking Company Limited  
P O Box 65  
STRATFORD 4352

Decision Date: 30 November 2012

Commencement  
Date: 30 November 2012

**Conditions of Consent**

Consent Granted: To discharge treated wastewater from quarry operations into an unnamed tributary of the Heimama Stream at or about (NZTM) 1679087E-5641414N

Expiry Date: 1 June 2030

Review Date(s): June 2018, June 2024

Site Location: 1017 Wiremu Road, Opunake

Legal Description: Lot 1 DP 15853 Blk VII Opunake SD  
(Discharge source and site)

Catchment: Heimama

*For General, Standard and Special conditions  
pertaining to this consent please see reverse side of this document*

### General condition

- a. The consent holder shall pay to the Taranaki Regional Council all the administration, monitoring and supervision costs of this consent, fixed in accordance with section 36 of the Resource Management Act 1991.

### Special conditions

1. The consent holder shall at all times adopt the best practicable option, as defined in the Resource Management Act 1991, to prevent or minimise any adverse effects of the discharge to the environment.
2. The consent holder shall operate and progressively reinstate the quarry site in a manner which ensures that the area of exposed, un-vegetated earth, within the quarry's stormwater catchment is kept to a minimum at all times.
3. The stormwater discharged shall be from a catchment area not exceeding 6.4 hectares.
4. The consent holder shall properly maintain and operate the settling ponds system, including the use of shut off valves, in such a manner that any discharge which may occur shall not breach the conditions of this consent. The settling ponds system shall be operated, as far as practicable, so as to minimise the duration and frequency of discharges.
5. There shall be no direct discharge of untreated stormwater or groundwater from the active quarry site into any surface water.
6. Constituents of the discharge shall meet the standards shown in the following table.

| <b>Constituent</b>               | <b>Standard</b>                                     |
|----------------------------------|---|
| pH                               | Within the range 6.0 to 9.0                         |
| suspended solids                 | Concentration not greater than 100 gm <sup>-3</sup> |
| total recoverable oil and grease | Concentration not greater than 15 gm <sup>-3</sup>  |

This condition shall apply before entry of the treated stormwater into the receiving waters at a designated sampling point approved by the Chief Executive, Taranaki Regional Council.

7. After allowing for reasonable mixing, within a mixing zone extending 25 metres downstream of the discharge point, the discharge shall not give rise to any of the following effects in the receiving waters:
  - a) the production of any conspicuous oil or grease films, scums or foams, or floatable or suspended materials;
  - b) any conspicuous change in the colour or visual clarity;
  - c) any emission of objectionable odour;
  - d) the rendering of fresh water unsuitable for consumption by farm animals;
  - e) any significant adverse effects on aquatic life.



## Consent 2184-3

8. The consent holder shall maintain a contingency plan that details measures and procedures to be undertaken to prevent spillage or any discharge of contaminants not authorised by this consent. The contingency plan shall be followed in the event of a spill or unauthorised discharge and shall be certified by the Chief Executive, Taranaki Regional Council as being adequate to avoid, remedy or mitigate the environmental effects of such a spillage or discharge.
9. The consent holder shall notify the Chief Executive, Taranaki Regional Council, prior to making any changes to the processes or operations undertaken at the site, or the chemicals used or stored on site that could alter the nature of the discharge. Any such change shall then only occur following receipt of any necessary approval under the Resource Management Act. Notification shall include the consent number, a brief description of the activity consented and an assessment of the environmental effects of any changes, and be emailed to [consents@trc.govt.nz](mailto:consents@trc.govt.nz).
10. In accordance with section 128 and section 129 of the Resource Management Act 1991, the Taranaki Regional Council may serve notice of its intention to review, amend, delete or add to the conditions of this resource consent by giving notice of review during the month of June 2018 and/or June 2024, for the purpose of ensuring that the conditions are adequate to deal with any adverse effects on the environment arising from the exercise of this resource consent, which were either not foreseen at the time the application was considered or which it was not appropriate to deal with at the time.

Signed at Stratford on 30 November 2012

For and on behalf of  
Taranaki Regional Council

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**Director-Resource Management**



**Discharge Permit**  
**Pursuant to the Resource Management Act 1991**  
**a resource consent is hereby granted by the**  
**Taranaki Regional Council**

Name of  
Consent Holder:           Whitaker Civil Engineering Limited  
                                      Barrett Road  
                                      R D 4  
                                      NEW PLYMOUTH

Consent Granted           14 February 2008  
Date:

**Conditions of Consent**

Consent Granted:        To discharge treated stormwater from a quarry into the  
                                      Waiwhakaiho River at or about 2607804E-6233215N

Expiry Date:             1 June 2026

Review Date(s):         June 2014, June 2020

Site Location:           Waiwhakaiho Road, New Plymouth

Legal Description:       Lot 1 DP 17552 & Pt Rekereke Blk Blk X Paritutu SD

Catchment:               Waiwhakaiho

### General conditions

- a) On receipt of a requirement from the Chief Executive, Taranaki Regional Council the consent holder shall, within the time specified in the requirement, supply the information required relating to the exercise of this consent.
- b) Unless it is otherwise specified in the conditions of this consent, compliance with any monitoring requirement imposed by this consent must be at the consent holder's own expense.
- c) The consent holder shall pay to the Council all required administrative charges fixed by the Council pursuant to section 36 in relation to:
  - i) the administration, monitoring and supervision of this consent; and
  - ii) charges authorised by regulations.

### Special conditions

1. The consent holder shall at all times adopt the best practicable option, as defined in section 2 of the Resource Management Act 1991, to prevent or minimise any adverse effects on the environment from the exercise of this consent.
2. There shall be no direct discharge of untreated stormwater or washwater from the quarry into the Waiwhakaiho River as a result of the exercise of this consent.
3. The active quarrying area shall be contoured and bunded to ensure that:
  - all water in this area is directed to sediment control structures for treatment prior to discharge; and
  - the flow of uncontaminated stormwater into this area is prevented.
  - no gaps are present along the bunded area running parallel to the Waiwhakaiho River.
4. The maximum disturbed stormwater catchment area shall be no more than two hectares at any time; the pond's outlet shall be stabilised.
5. For the purposes of enhancing water quality and aquatic habitat the consent holder shall undertake planting and subsequent maintenance of the riparian margins of the Waiwhakaiho River. The planting shall occur before 31 January 2010.
6. The consent holder shall maintain and operate the sediment control structures so that any discharge will meet the conditions of this consent. The sediment control structures shall be operated, as far as practicable, so as to maximise the treatment of the stormwater and washwater, and to minimise the duration and frequency of the discharge. For the sizing of the pond, the actual and future catchment areas and the Rainfall Annual Exceedance Probability (AEP) value should be considered.
7. The discharge shall meet the standards shown in the following table.

| Constituent                    | Standard   |
|--------------------------------|--|
| pH                             | Within the range 6.0 to 9.0  |
| Suspended Solids               | Concentration not greater than 100 gm <sup>-3</sup>  |
| Total Recoverable Hydrocarbons | Concentration not greater than 15 gm <sup>-3</sup> [as determined by infrared spectroscopic technique] |

## Consent 7236-1

This condition shall apply immediately prior to the entry of the discharge into the Waiwhakaiho River, at a designated sampling point approved by the Chief Executive, Taranaki Regional Council.

8. After allowing for reasonable mixing within a mixing zone extending 25 metres downstream of the point of discharge into the Waiwhakaiho River, the discharge shall not give rise to any of the following effects in the Waiwhakaiho River:
  - a) the production of any conspicuous oil or grease films, scums or foams, or floatable or suspended material;
  - b) any conspicuous change in the colour or visual clarity;
  - c) any emission of objectionable odour;
  - d) the rendering of fresh water unsuitable for consumption by farm animals;
  - e) any significant adverse effects on aquatic life.
9. After allowing for reasonable mixing, within a mixing zone extending 25 metres downstream of the point of discharge into the Waiwhakaiho River, the discharge shall not give rise to an increase in the turbidity of Waiwhakaiho River of more than 50%, as determined using NTU [nephelometric turbidity units].
10. The consent holder shall continue to carry out the washing operations using the multi-stage treatment pond system and the recirculation system back to the washing machine so that the volume of water treated and water discharged are minimised.
11. This consent shall lapse on the expiry of five years after the date of issue, unless the consent is given effect to before the end of that period or the Taranaki Regional Council fixes a longer period pursuant to section 125(1)(b) of the Resource Management Act 1991.
12. In accordance with section 128 and section 129 of the Resource Management Act 1991, the Taranaki Regional Council may serve notice of its intention to review, amend, delete or add to the conditions of this resource consent by giving notice of review during the month of June 2014 and/or June 2020, for the purpose of ensuring that the conditions are adequate to deal with any adverse effects on the environment arising from the exercise of this resource consent, which were either not foreseen at the time the application was considered or which it was not appropriate to deal with at the time.

Signed at Stratford on 14 February 2008

For and on behalf of  
Taranaki Regional Council

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**Director-Resource Management**



**Discharge Permit**  
**Pursuant to the Resource Management Act 1991**  
**a resource consent is hereby granted by the**  
**Taranaki Regional Council**

Name of  
Consent Holder:           Whitaker Civil Engineering Limited  
                                      Barrett Road  
                                      R D 4  
                                      NEW PLYMOUTH

Consent Granted           30 January 2008  
Date:

**Conditions of Consent**

Consent Granted:        To discharge treated washwater from shingle washing  
                                  activities onto and into land and into the Waiwhakaiho  
                                  River at or about 2608082E-6233172N

Expiry Date:             1 June 2026

Review Date(s):         June 2014, June 2020

Site Location:           Waiwhakaiho Road, New Plymouth

Legal Description:       Lot 1 DP 17552 & Pt Rekereke Block Blk X Paritutu SD

Catchment:               Waiwhakaiho

### **General conditions**

- a) On receipt of a requirement from the Chief Executive, Taranaki Regional Council the consent holder shall, within the time specified in the requirement, supply the information required relating to the exercise of this consent.
- b) Unless it is otherwise specified in the conditions of this consent, compliance with any monitoring requirement imposed by this consent must be at the consent holder's own expense.
- c) The consent holder shall pay to the Council all required administrative charges fixed by the Council pursuant to section 36 in relation to:
  - i) the administration, monitoring and supervision of this consent; and
  - ii) charges authorised by regulations.

### **Special conditions**

1. The consent holder shall at all times adopt the best practicable option, as defined in section 2 of the Resource Management Act 1991, to prevent or minimise any adverse effects on the environment from the exercise of this consent.
2. The exercise of this consent shall be undertaken generally in accordance with the documentation submitted in support of application 5002. In the case of any contradiction between the documentation submitted in support of application 5002 and the conditions of this consent, the conditions of this consent shall prevail.
3. There shall be no direct discharge of untreated stormwater or washwater from the quarry into the Waiwhakaiho River as a result of the exercise of this consent.
4. The active quarrying area shall be contoured and bunded to ensure that:
  - all water in this area is directed to sediment control structures for treatment prior to discharge; and
  - the flow of uncontaminated stormwater into this area is prevented.
5. The consent holder shall undertake measures during excavation to control erosion of exposed areas within the quarry site and to minimise the amounts of sediment contained in the stormwater discharge licensed by this consent.
6. The consent holder shall operate and progressively reinstate the quarry site in a manner which ensures that the area of exposed, unvegetated earth within the quarry's stormwater catchment is kept to a minimum at all times.
7. The consent holder shall maintain and operate the sediment control structures so that any discharge will meet the conditions of this consent. The sediment control structures shall be operated, as far as practicable, so as to maximise the treatment of the stormwater and washwater, and to minimise the duration and frequency of the discharge.



## Consent 0720-4

8. The discharge shall meet the standards shown in the following table.

| Constituent                    | Standard   |
|--------------------------------|--|
| pH                             | Within the range 6.0 to 9.0  |
| suspended solids               | Concentration not greater than 100 gm <sup>-3</sup>  |
| total recoverable hydrocarbons | Concentration not greater than 15 gm <sup>-3</sup> [as determined by infrared spectroscopic technique] |

This condition shall apply prior to the entry of the discharge into the Waiwhakaiho River, at a designated sampling point approved by the Chief Executive, Taranaki Regional Council.

9. After allowing for reasonable mixing within a mixing zone extending 25 metres downstream of the point of discharge into the Waiwhakaiho River, the discharge shall not give rise to any of the following effects in the Waiwhakaiho River:
- the production of any conspicuous oil or grease films, scums or foams, or floatable or suspended material;
  - any conspicuous change in the colour or visual clarity;
  - any emission of objectionable odour;
  - the rendering of fresh water unsuitable for consumption by farm animals;
  - any significant adverse effects on aquatic life.
10. After allowing for reasonable mixing, within a mixing zone extending 25 metres downstream of the point of discharge into the Waiwhakaiho River, the discharge shall not give rise to an increase in the turbidity of Waiwhakaiho River of more than 50%, as determined using NTU [nephelometric turbidity units].
11. This consent shall lapse on the expiry of five years after the date of issue, unless the consent is given effect to before the end of that period or the Taranaki Regional Council fixes a longer period pursuant to section 125(1)(b) of the Resource Management Act 1991.
12. In accordance with section 128 and section 129 of the Resource Management Act 1991, the Taranaki Regional Council may serve notice of its intention to review, amend, delete or add to the conditions of this resource consent by giving notice of review during the month of June 2014 and/or June 2020, for the purpose of ensuring that the conditions are adequate to deal with any adverse effects on the environment arising from the exercise of this resource consent, which were either not foreseen at the time the application was considered or which it was not appropriate to deal with at the time.

Signed at Stratford on 30 January 2008

For and on behalf of  
Taranaki Regional Council

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**Director-Resource Management**



**Discharge Permit**  
**Pursuant to the Resource Management Act 1991**  
**a resource consent is hereby granted by the**  
**Taranaki Regional Council**

Name of  
Consent Holder:           Whitaker Civil Engineering Limited  
                                      Barrett Road  
                                      R D 4  
                                      NEW PLYMOUTH 4374

Change To                    2 June 2010     [Granted: 30 January 2008]  
Conditions Date:

**Conditions of Consent**

Consent Granted:           To discharge cleanfill onto and into land and to discharge  
                                      leachate and stormwater from a former quarry landfill onto  
                                      and into land in the vicinity of the Waiwhakaiho River at or  
                                      about (NZTM) 1698268E-5671454N

Expiry Date:                1 June 2026

Review Date(s):            June 2014, June 2020

Site Location:              Waiwhakaiho Road, New Plymouth

Legal Description:         Lot 1 DP 17552 & Pt Rekereke Blk Blk X Paritutu SD

Catchment:                 Waiwhakaiho

## Consent 3900-2

### General conditions

- a) On receipt of a requirement from the Chief Executive, Taranaki Regional Council the consent holder shall, within the time specified in the requirement, supply the information required relating to the exercise of this consent.
- b) Unless it is otherwise specified in the conditions of this consent, compliance with any monitoring requirement imposed by this consent must be at the consent holder's own expense.
- c) The consent holder shall pay to the Council all required administrative charges fixed by the Council pursuant to section 36 in relation to:
  - i) the administration, monitoring and supervision of this consent; and
  - ii) charges authorised by regulations.

### Special conditions

1. The exercise of this consent shall be undertaken generally in accordance with the documentation submitted in support of application 5014. In the case of any contradiction between the documentation submitted in support of application 5014 and the conditions of this consent, the conditions of this consent shall prevail.
2. The contaminants to be discharged shall be limited to cleanfill and/or inert materials. For the purposes of this condition, "clean fill and inert materials" are defined as materials consisting of any concrete, cement or cement wastes, bricks, mortar, tiles [clay, ceramic or concrete], non-tanalised timber, porcelain, glass, gravels, boulders, shingles, fibreglass, plastics, sand, soils and clays, and/or tree stumps and roots, whether singly or in combination or mixture, or any other material [subject to condition 3] that when placed onto and into land will not render that land or any vegetation grown on that land toxic to vegetation or animals consuming vegetation.
3. The discharge of the following contaminants shall not occur: food wastes, paper and cardboard, grass clippings, garden wastes including but not limited to wastes containing foliage or other vegetation other than tree stumps and roots as permitted under condition (2), textiles, steel, galvanised metals, construction materials containing paint or fillers or sealers or their containers, oils or greases or any liquids or sludges or their containers, any industrial process by-products other than as permitted under condition (2), any poisons or solvents or their containers, batteries, general domestic refuse not otherwise described, or any wastes with the potential to render land or any vegetation grown on the land toxic to vegetation or to animals consuming such vegetation.
4. In addition to the materials listed in condition 2 residual sludge [Water Treatment Plant [WTP] sludge] sourced from New Plymouth District Council's drinking water treatment activities is permitted to be discharged to the site.

## Consent 3900-2

5. At least seven days prior to any discharge of WTP sludge, the consent holder shall notify Council and supply the following information;
  - The volume of the WTP sludge to be discharged.
  - Compositional analysis of a representative sample of the WTP sludge for BOD, aluminium, manganese, lead, zinc, copper, pH, cadmium and total solids.
  - Estimated duration of the disposal activities.
6. When WTP sludge is to be disposed of at the site, the consent holder shall spread the material as thinly as possible and mix it in with other cleanfill material as far as practicable.
7. If the consent holder is uncertain as to the acceptability or not of a certain material the consent holder shall obtain written approval from the Consents Manager, Taranaki Regional Council, prior to its discharge.
8. No cleanfill or WTP sludge shall be discharged within 20 metres of the top of the bank of the Waiwhakaiho River and the stability of the riverbank shall be maintained to avoid or mitigate potential erosion at the site.
9. The discharge to land shall not result in any contaminants entering surface water.
10. With the exception of New Plymouth District Council WTP residual sludges, the consent holder shall monitor all material dumped to ensure it only contains cleanfill and inert materials.
11. The discharge shall not give rise to any of the following effects in the waters of the Waiwhakaiho River:
  - a) the production of any conspicuous oil or grease films, scums or foams, or floatable or suspended material;
  - b) any conspicuous change in the colour or visual clarity;
  - c) any significant adverse effects on aquatic life
  - d) the rendering of fresh water unsuitable for consumption by farm animals.
12. Within two months of the granting of this consent, the consent holder shall produce a detailed management plan covering all aspects of the reinstatement operation, including:
  - a) Resource consent requirements
  - b) Site management
  - c) Waste acceptance criteria
  - d) Waste acceptance controls and procedures
  - e) Daily operating procedures
  - f) Environmental controls and monitoring
  - g) Emergency procedures

The report shall be to the satisfaction of the Chief Executive, Taranaki Regional Council.

## Consent 3900-2

13. Notwithstanding any conditions within this consent, the consent holder shall at all times adopt the best practicable option or options [as defined in section 2 of the Resource Management Act 1991] to prevent or minimise any actual or potential effect on the environment arising from any discharge at the site.
14. Upon completion of the works associated with the exercise of this consent, the discharge site covered by this consent shall be stabilised and revegetated to the satisfaction of the Chief Executive, Taranaki Regional Council.
15. This consent shall lapse on the expiry of five years after the date of issue of this consent, unless the consent is given effect to before the end of that period or the Taranaki Regional Council fixes a longer period pursuant to section 125(1)(b) of the Resource Management Act 1991.
16. In accordance with section 128 and section 129 of the Resource Management Act 1991, the Taranaki Regional Council may serve notice of its intention to review, amend, delete or add to the conditions of this resource consent by giving notice of review during the month of June 2014 and/or June 2020, for the purpose of ensuring that the conditions are adequate to deal with any adverse effects on the environment arising from the exercise of this resource consent, which were either not foreseen at the time the application was considered or which it was not appropriate to deal with at the time.

Signed at Stratford on 2 June 2010

For and on behalf of  
Taranaki Regional Council

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**Director-Resource Management**

**Discharge Permit**  
**Pursuant to the Resource Management Act 1991**  
**a resource consent is hereby granted by the**  
**Taranaki Regional Council**

Name of Consent Holder: Winstone Aggregates Limited  
PO Box 17195  
Greenlane  
Auckland 1546

Decision Date: 15 May 2018

Commencement Date: 15 May 2018

**Conditions of Consent**

Consent Granted: To discharge treated stormwater and washwater from quarrying operations into an unnamed tributary of the Manganui Stream

Expiry Date: 1 June 2036

Review Date(s): June 2024, June 2030

Site Location: 1167 Wiremu Road, Opunake

Grid Reference (NZTM) 1678321E-5642563N

Catchment: Oaonui

Tributary: Manganui

*For General, Standard and Special conditions  
pertaining to this consent please see reverse side of this document*

**General condition**

- a. The consent holder shall pay to the Taranaki Regional Council all the administration, monitoring and supervision costs of this consent, fixed in accordance with section 36 of the Resource Management Act 1991.

**Special conditions**

1. The consent holder shall at all times adopt the best practicable option, as defined in section 2 of the Resource Management Act 1991, to prevent or minimise any adverse effects on the environment from the exercise of this consent.
2. The active quarry stormwater catchment shall be no more than 40 hectares.
3. There shall be no direct discharge of untreated stormwater or washwater from the active quarry site to any surface water as a result of the exercise of this consent.
4. Prior to undertaking any alterations to the quarry's processes, operations, equipment or layout, which may significantly change the nature or quantity of discharge into the treatment system and receiving environment, the consent holder shall consult with the Chief Executive, Taranaki Regional Council, and shall obtain any necessary approvals under the Resource Management Act 1991 and its amendments.
5. Any area used for the washing of aggregate shall be bunded and contoured to ensure separation from the stormwater catchment.
6. The consent holder shall implement appropriate recirculation systems, so as to minimise the volume of the washwater discharge.
7. The active quarry site shall be contoured and bunded so that all stormwater generated in the active area is directed to the silt control structures for treatment prior to discharge, and the flow of uncontaminated stormwater into the active area is prevented.
8. The consent holder shall undertake measures during excavation to control erosion of exposed areas within the quarry site and to minimise the amounts of silt and sediment which could be contained in the stormwater.
9. That the consent holder shall operate and progressively reinstate the quarry site in a manner which minimises the quarry stormwater catchment area, and ensures that the area of exposed unvegetated earth within the quarry's stormwater catchment is kept to a minimum at all times.
10. That the consent holder shall properly and efficiently maintain and operate the silt control structures in such a manner that any discharge which may occur shall not breach the conditions of this consent. The silt control structures shall be operated, as far as practicable, so as to maximise the treatment of the stormwater and washwater, and to minimise the duration and frequency of the discharge.



## Consent 1509-4.0

11. Any discharge to surface water shall meet the standards shown below at all times.

| <b>Constituent</b> | <b>Standard</b>                                     |
|--------------------|---|
| pH                 | Within the range 6.0 to 9.0                         |
| suspended solids   | Concentration not greater than 100 gm <sup>-3</sup> |

This condition shall apply prior to the entry of the stormwater and washwater into the receiving waters of the unnamed tributaries of the Manganui Stream, at a designated sampling point.

12. After allowing for reasonable mixing, within a mixing zone extending 25 metres downstream of the discharge point, the discharge shall not give rise to any of the following effects in the receiving waters of the unnamed tributaries of the Manganui Stream:
- the production of any conspicuous oil or grease films, scums or foams, or floatable or suspended materials;
  - any conspicuous change in the colour or visual clarity;
  - any emission of objectionable odour;
  - the rendering of fresh water unsuitable for consumption by farm animals;
  - any significant adverse effects on aquatic life.
13. The consent holder shall maintain and regularly update a 'Contingency Plan' that details measures and procedures that will be undertaken to prevent, and to avoid environmental effects from, a spillage or any discharge of contaminants not authorised by this consent. The plan and any amended versions shall be provided to the Chief Executive of the Taranaki Regional Council.
14. In accordance with section 128 and section 129 of the Resource Management Act 1991, the Taranaki Regional Council may serve notice of its intention to review, amend, delete or add to the conditions of this resource consent by giving notice of review during the month of June 2024 and/or June 2030, for the purpose of ensuring that the conditions are adequate to deal with any adverse effects on the environment arising from the exercise of this resource consent, which were either not foreseen at the time the application was considered or which it was not appropriate to deal with at the time.

Signed at Stratford on 15 May 2018

For and on behalf of  
Taranaki Regional Council

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A D McLay  
**Director - Resource Management**



## **Water Permit**

**Pursuant to the Resource Management Act 1991  
a resource consent is hereby granted by the  
Taranaki Regional Council**

Name of  
Consent Holder: Winstone Aggregates Limited  
P O Box 3247  
NEW PLYMOUTH

Consent Granted  
Date: 14 January 2000

### **Conditions of Consent**

Consent Granted: To take water from an unnamed tributary of the Manganui Stream in the Oaonui catchment for quarrying purposes at or about GR: P20:890-042

Expiry Date: 1 June 2018

Review Date(s): June 2006, June 2012

Site Location: Wiremu Road Quarry, Wiremu Road, Opunake

Legal Description: Lot 1 DP 17648 Lots 3 & 4 DP 9331 Lot 32 DP 682 Secs 9 & 10 Blk VII Opunake SD

Catchment: Oaonui

Tributary: Manganui  
Unnamed tributary

**General conditions**

- a) That on receipt of a requirement from the General Manager, Taranaki Regional Council (hereinafter the General Manager), the consent holder shall, within the time specified in the requirement, supply the information required relating to the exercise of this consent.
- b) That unless it is otherwise specified in the conditions of this consent, compliance with any monitoring requirement imposed by this consent must be at the consent holder's own expense.
- c) That the consent holder shall pay to the Council all required administrative charges fixed by the Council pursuant to section 36 in relation to:
  - i) the administration, monitoring and supervision of this consent; and
  - ii) charges authorised by regulations.

**Special conditions**

- 1. THAT the rate of abstraction shall not exceed 25 litres/second.
- 2. THAT the Taranaki Regional Council may review any or all of the conditions of this consent by giving notice of review during the month of June 2006 and/or June 2012, for the purpose of ensuring that the conditions adequately deal with the environmental effects arising from the exercise of this consent, which were either not foreseen at the time the application was considered or which it was not appropriate to deal with at the time.

Transferred at Stratford on 10 July 2000

For and on behalf of  
Taranaki Regional Council

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**General Manager**

**Water Permit**  
**Pursuant to the Resource Management Act 1991**  
**a resource consent is hereby granted by the**  
**Taranaki Regional Council**

Name of  
Consent Holder:                      Winstone Aggregates Limited  
    PO Box 17195  
    Greenlane  
    Auckland 1546

Decision Date:                        15 May 2018

Commencement Date:                15 May 2018

**Conditions of Consent**

Consent Granted:                      To take water from two reservoirs for aggregate washing  
    purposes

Expiry Date:                            1 June 2036

Review Date(s):                        June 2024 and at 3-yearly intervals thereafter

Site Location:                          1167 Wiremu Road, Opunake

Grid Reference (NZTM)                1678974E-5643280N (northern reservoir)  
    1678979E-5642906N (southern reservoir)

Catchment:                              Oaonui

Tributary:                                Manganui

*For General, Standard and Special conditions  
pertaining to this consent please see reverse side of this document*

### General condition

- a. The consent holder shall pay to the Taranaki Regional Council all the administration, monitoring and supervision costs of this consent, fixed in accordance with section 36 of the Resource Management Act 1991.

### Special conditions

1. The combined rate of taking shall not exceed 50 litres per second, and the volume taken in any 7 day period shall not exceed 12,600 cubic metres.
2. Before 31 July 2018 the consent holder shall install, and thereafter maintain a water meter and a dataloggers at the sites of taking (or a nearby site in accordance with Regulation 10 of the *Resource Management (Measurement and Reporting of Water Takes) Regulations 2010*. The water meters and dataloggers shall be tamper-proof and shall measure and record the rate and volume of water taken to an accuracy of  $\pm 5\%$  at intervals not exceeding 15 minutes. Records of the date, the time and the rate and volume of water taken shall be made available to the Chief Executive, Taranaki Regional Council at all reasonable times.

*Note: Water meters and dataloggers must be installed, and regularly maintained, in accordance with manufacturer's specifications in order to ensure that they meet the required accuracy. Even with proper maintenance water meters and dataloggers have a limited lifespan.*

3. The consent holder shall provide the Chief Executive, Taranaki Regional Council with a document from a suitably qualified person certifying that water measuring and recording equipment required by the conditions of this consent ('the equipment'):
  - (a) has been installed and/or maintained in accordance with the manufacturer's specifications; and/or
  - (b) has been tested and shown to be operating to an accuracy of  $\pm 5\%$ .

The documentation shall be provided:

- (i) within 30 days of the installation of a water meter or datalogger;
  - (ii) at other times when reasonable notice is given and the Chief Executive, Taranaki Regional Council has reasonable evidence that the equipment may not be functioning as required by this consent; and
  - (iii) no less frequently than once every five years.
4. If any measuring or recording equipment breaks down, or for any reason is not operational, the consent holder shall advise the Chief Executive, Taranaki Regional Council immediately. Any repairs or maintenance to this equipment must be undertaken by a suitably qualified person and a maintenance report provided to the Chief Executive, Taranaki Regional Council within 30 days of the work occurring.
  5. Any water meter or datalogger shall be accessible to Taranaki Regional Council officers at all reasonable times for inspection and/or data retrieval. In addition the data logger shall be designed and installed so that Taranaki Regional Council officers can readily verify that it is accurately recording the required information.

## Consent 10583-1.0

6. The records of water taken shall:
  - (a) be in a format that, in the opinion of the Chief Executive, Taranaki Regional Council, is suitable for auditing;
  - (b) specifically record the water taken as 'zero' when no water is taken; and
  - (c) for each 12-month period ending on 30 June, be provided to the Chief Executive, Taranaki Regional Council within one month after end of that period.
7. At all times the consent holder shall adopt the best practicable option to prevent or minimise any actual or likely adverse effect on the environment associated with the abstraction of water, including, but not limited to, the efficient and conservative use of water.
8. In accordance with section 128 and section 129 of the Resource Management Act 1991, the Taranaki Regional Council may serve notice of its intention to review, amend, delete or add to the conditions of this resource consent by giving notice of review during the month of June 2024 and at 3-yearly intervals thereafter, for the purposes of:
  - (a) ensuring that the conditions are adequate to deal with any adverse effects on the environment arising from the exercise of this resource consent, which were either not foreseen at the time the application was considered or which it was not appropriate to deal with at the time; and/or
  - (b) requiring continuous measuring and recording of the flow immediately downstream of the take site; and/or
  - (c) requiring any data collected in accordance with the conditions of this consent to be transmitted directly to the Taranaki Regional Council's computer system, in a format suitable for providing a 'real time' record over the internet.

Signed at Stratford on 15 May 2018

For and on behalf of  
Taranaki Regional Council

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A D McLay  
**Director - Resource Management**

