Regional Quarry Compliance Monitoring
Combined Biennial Report
Northern quarries
2018-2020

Technical Report 2020-72
Executive summary

This report for the period July 2018 to June 2020 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 24 active quarries being monitored by the Council across the region. These quarries held a combined total of 51 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 24 active quarries. This will be the fourth report to incorporate the monitoring results of this group of quarries.

The monitoring programmes for another 11 quarries (plus one since remediated) will be included in a separate biennial report (Southern Quarries Compliance Monitoring Report), which also covers the period July 2018 to June 2020. Civil Quarries Ltd’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 Ltd, Jones Quarry Ltd – Kekeua Road, GR & LJ Jones – Waitara Quarry, Gibson Family Trust, Goodin AG Ltd, Taranaki Trucking Company Ltd, Whitaker Civil Engineering Ltd and Wiremu Road Quarry Ltd all demonstrated an overall high level of environmental performance.
- Ferndene Quarries Ltd, Jones Quarry Ltd – Hydro Road and R J Dreaver quarry all demonstrated an overall good level of environmental performance.
- Jones Quarry Ltd - Uruti demonstrated an overall level of environmental performance that required improvement.

Ferndene Quarries was issued an abatement notice as there were large amounts of unauthorised materials present in the cleanfill, repeatedly over the monitoring period. Following the abatement notice, an inspection showed the cleanfill was compliant. Jones Quarry Ltd – Hydro Road were also found to be repeatedly non-compliant due to unauthorised material in the cleanfill. An abatement notice was issued and the Company made improvements to the site to reduce the possibility of cleanfill contamination. R J Dreaver quarry had several instances of discharge of sediment laden stormwater and some unauthorised materials were present in the cleanfill. They have since installed a flow control valve before discharge to the stream, and immediately dealt with the non-compliant cleanfill material. Jones Quarry Ltd – Uruti was issued an abatement notice due to a discharge of sediment laden wash water, discharge of sediment laden stormwater due to lack of silt and sediment controls and unauthorised stockpiling of aggregate. There have also been delays in installing a flowmeter as part of their water take consent. Follow up inspections showed the Company is making improvements in the management and maintenance of the site and have ceased taking water.
For reference, in the 2019-2020 year, consent holders were found to achieve a high level of environmental performance and compliance for 81% of the consents monitored through the Taranaki tailored monitoring programmes, while for another 17% of the consents, a good level of environmental performance and compliance was achieved.

This report includes recommendations for the 2020-2022 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 fourth combined biennial report by the Taranaki Regional Council (the Council) for the quarry monitoring programmes in the region. 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.

This report covers the period from July 2018 to June 2020 and includes monitoring results for the Northern Quarries, which account for 12 of the region’s 24 active quarries. The monitoring results for the Southern Quarries for the same monitoring period are contained in a separate biennial report. Civil Quarries Ltd’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
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 holders, this report also assigns a rating as to each Company’s environmental and administrative performance during the period under review.

Environmental performance is concerned with actual or likely effects on the receiving environment from the activities during the monitoring year. Administrative performance 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 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 during investigations of incidents reported to the Council by a third party 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;
- Strong odour 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 during investigations of incidents reported to the Council by a third party. 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 during investigations of incidents reported to the Council by a third party. 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 this was 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 2018-2019 year, consent holders were found to achieve a high level of environmental performance and compliance for 83% of the consents monitored through the Taranaki tailored monitoring programmes, while for another 13% of the consents, a good level of environmental performance and compliance was achieved.

In the 2019-2020 year, consent holders were found to achieve a high level of environmental performance and compliance for 81% of the consents monitored through the Taranaki tailored monitoring programmes, while for another 17% 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 (Figure 1). 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 24 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 1  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 24 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 seven 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 2018-2020 monitoring period) is presented in Table 1.

#### Table 1 Northern quarries current resource consents

<table>
<thead>
<tr>
<th>Consent holder</th>
<th>Consent number</th>
<th>Consent type</th>
<th>Next review</th>
<th>Location</th>
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<tbody>
<tr>
<td>AA Contracting</td>
<td>5651-2</td>
<td>D&lt;sub&gt;s&lt;/sub&gt; D&lt;sub&gt;w&lt;/sub&gt;</td>
<td>June 2026</td>
<td>Te Arei Road, Lepperton</td>
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<tr>
<td>Ferndene Quarries Ltd</td>
<td>6453-1</td>
<td>D&lt;sub&gt;s&lt;/sub&gt;</td>
<td>Expired June 2020 – Section 124 Protection</td>
<td>Upland Road, Tarurutangi</td>
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<tr>
<td></td>
<td>7089-1</td>
<td>D&lt;sub&gt;c&lt;/sub&gt;</td>
<td>Superseded</td>
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<td>GR and LJ Jones</td>
<td>6274-1</td>
<td>D&lt;sub&gt;s&lt;/sub&gt; D&lt;sub&gt;w&lt;/sub&gt;</td>
<td>Expired June 2020 – Section 124 Protection</td>
<td>Mahoetahi Road, Waitara</td>
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<tr>
<td>Gibson Family Trust, Puniho Road</td>
<td>9547-1</td>
<td>D&lt;sub&gt;s&lt;/sub&gt;</td>
<td>Expired 1 June 2020</td>
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<td>9547-2</td>
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<td>4912-2</td>
<td>D&lt;sub&gt;c&lt;/sub&gt;</td>
<td>Expires 1 June 2026</td>
<td></td>
</tr>
<tr>
<td>Jones Quarry Uruti Stone Ltd</td>
<td>5124-2</td>
<td>D&lt;sub&gt;s&lt;/sub&gt;</td>
<td>Superseded</td>
<td></td>
</tr>
<tr>
<td></td>
<td>6272-1.1</td>
<td>D&lt;sub&gt;w&lt;/sub&gt;</td>
<td>Expires 1 June 2021</td>
<td>Main North Road, Uruti</td>
</tr>
<tr>
<td></td>
<td>10143-1</td>
<td>SM</td>
<td>June 2021</td>
<td></td>
</tr>
<tr>
<td></td>
<td>10146-1</td>
<td>T</td>
<td>Superseded</td>
<td></td>
</tr>
<tr>
<td></td>
<td>10146-1.1</td>
<td></td>
<td>June 2021</td>
<td></td>
</tr>
<tr>
<td>Consent holder</td>
<td>Consent number</td>
<td>Consent type</td>
<td>Next review</td>
<td>Location</td>
</tr>
<tr>
<td>--------------------------------</td>
<td>----------------</td>
<td>--------------</td>
<td>-------------------------------------------------</td>
<td>---------------------------</td>
</tr>
<tr>
<td>Jones Quarry Ltd</td>
<td>10715-1</td>
<td>DS</td>
<td>Lapse 31 March 2024, Expires 1 June 2037</td>
<td>Kekeua Road, Warea</td>
</tr>
<tr>
<td>RJ Dreaver</td>
<td>9526-1</td>
<td>DS</td>
<td>June 2026</td>
<td>Kairau Road, Brixton</td>
</tr>
<tr>
<td></td>
<td>9527-1</td>
<td>DC</td>
<td>June 2026</td>
<td></td>
</tr>
<tr>
<td>Taranaki Trucking Company Ltd</td>
<td>2293-3.1</td>
<td>T</td>
<td>June 2024</td>
<td>Wiremu Road, Opunake</td>
</tr>
<tr>
<td></td>
<td>2184-3</td>
<td>DW</td>
<td>June 2024</td>
<td></td>
</tr>
<tr>
<td>Whitaker Civil Engineering Ltd</td>
<td>7236-1</td>
<td>DS</td>
<td>Expires June 2026</td>
<td>Waiwhakaiho Road, New Plymouth</td>
</tr>
<tr>
<td></td>
<td>0720-4</td>
<td>DW</td>
<td>Expires June 2026</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3900-2</td>
<td>DC</td>
<td>Expires June 2026</td>
<td></td>
</tr>
<tr>
<td>Winstone Aggregates Ltd</td>
<td>1509-4</td>
<td>DS, DW</td>
<td>June 2024</td>
<td>Wiremu Road, Opunake</td>
</tr>
<tr>
<td></td>
<td>10583-1</td>
<td>T</td>
<td>June 2024</td>
<td></td>
</tr>
</tbody>
</table>

**KEY:**
- DS: discharge treated stormwater
- DW: discharge treated wash/wastewater
- DC: discharge cleanfill
- T: take water for quarrying purposes
- SM: stream modifications

**Note:** Bold review dates occur prior to next biennial report (2020-2022)

Civil Quarries Ltd 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 Ltd

<table>
<thead>
<tr>
<th>Consent holder</th>
<th>Consent number</th>
<th>Consent type</th>
<th>Next review</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Civil Quarries Ltd</td>
<td>1113-5.1</td>
<td>DS</td>
<td>June 2021</td>
<td>Everett Road, Inglewood</td>
</tr>
<tr>
<td></td>
<td>10247-1.1</td>
<td>T</td>
<td>June 2021</td>
<td></td>
</tr>
</tbody>
</table>

**KEY:**
- DS: discharge treated stormwater
- T: take water for quarrying purposes

A summary of resource consents held by quarries operating in southern Taranaki (reported separately) covering the 2018-2020 monitoring period is presented in Table 3.

**Table 3** Southern quarries current resource consents

<table>
<thead>
<tr>
<th>Consent holder</th>
<th>Consent number</th>
<th>Consent type</th>
<th>Next review</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bunn Earthmoving Ltd</td>
<td>10527-1.0</td>
<td>DS</td>
<td>1 June 2021</td>
<td>Surrey Road Tariki</td>
</tr>
<tr>
<td>Burgess Crowley Partnership</td>
<td>6505-1</td>
<td>DC</td>
<td>Expires 1 June 2022</td>
<td>East Road, Stratford</td>
</tr>
<tr>
<td>Consent holder</td>
<td>Consent number</td>
<td>Consent type</td>
<td>Next review</td>
<td>Location</td>
</tr>
<tr>
<td>----------------</td>
<td>---------------</td>
<td>--------------</td>
<td>-------------</td>
<td>-------------------------------</td>
</tr>
<tr>
<td>CD Boyd Surrey Road Quarry</td>
<td>7963-1</td>
<td>Dₜ</td>
<td>1 June 2022</td>
<td></td>
</tr>
<tr>
<td></td>
<td>7964-1.1</td>
<td>IGT</td>
<td>1 June 2022</td>
<td></td>
</tr>
<tr>
<td></td>
<td>6569-1</td>
<td>Dₛ, D₆</td>
<td>Expires 1 June 2021</td>
<td>Norfolk Road, Inglewood</td>
</tr>
<tr>
<td></td>
<td>9906.1.0</td>
<td>SM</td>
<td>Expires 1 June 2021</td>
<td></td>
</tr>
<tr>
<td>D M Bourke</td>
<td>5001-2</td>
<td>Dₛ</td>
<td>1 June 2023</td>
<td>Onewhaia Road, Te Roti</td>
</tr>
<tr>
<td></td>
<td>9933-1</td>
<td>Dₛ</td>
<td>1 June 2023</td>
<td></td>
</tr>
<tr>
<td></td>
<td>9934-1</td>
<td>IGT</td>
<td>1 June 2023</td>
<td></td>
</tr>
<tr>
<td>Hey Family Trust Ltd</td>
<td>7123-1</td>
<td>Dₛ</td>
<td>Expires 1 June 2022</td>
<td>Monmouth Road, Stratford</td>
</tr>
<tr>
<td>Horizon Trust Management Ltd, Rangitatau West Road</td>
<td>9464-1</td>
<td>Dₛ</td>
<td>1 June 2022</td>
<td>Rangitatau West Road, Maxwell</td>
</tr>
<tr>
<td>Horizon Trust Management Ltd, Waiteika Road</td>
<td>7519-1</td>
<td>Dₛ, D₆</td>
<td>Expires 1 June 2024</td>
<td>Waiteika Road, Opunake</td>
</tr>
<tr>
<td></td>
<td>7522-1</td>
<td>D</td>
<td>Expires 1 June 2024</td>
<td></td>
</tr>
<tr>
<td>Horizon Trust Management Ltd, Whenuku Road</td>
<td>7845-1.2</td>
<td>Dₛ, D₆</td>
<td>1 June 2022</td>
<td>Whenuku Road, Hawera</td>
</tr>
<tr>
<td></td>
<td>10017-1</td>
<td>SM</td>
<td>1 June 2023</td>
<td></td>
</tr>
<tr>
<td></td>
<td>10018-1</td>
<td>IGT</td>
<td>1 June 2023</td>
<td></td>
</tr>
<tr>
<td>Ravensdown Windy Point Quarry Ltd</td>
<td>9570-1</td>
<td>Dₛ</td>
<td>1 June 2022</td>
<td>Rangitatau West Road, Waitotara</td>
</tr>
<tr>
<td></td>
<td>9972-1.2</td>
<td>D₇</td>
<td>1 June 2022</td>
<td></td>
</tr>
<tr>
<td>R A Wallis Ltd</td>
<td>9600-1</td>
<td>Dₛ</td>
<td>1 June 2023</td>
<td>Lower Glenn Road, Manaia</td>
</tr>
<tr>
<td></td>
<td>10351-1.0</td>
<td>SM</td>
<td>1 June 2023</td>
<td></td>
</tr>
<tr>
<td>Consent holder</td>
<td>Consent number</td>
<td>Consent type</td>
<td>Next Review</td>
<td>Location</td>
</tr>
<tr>
<td>------------------------</td>
<td>----------------</td>
<td>--------------</td>
<td>-------------</td>
<td>---------------------------</td>
</tr>
<tr>
<td>Taunt Contracting</td>
<td>5002-2</td>
<td>D_s, D_w</td>
<td>1 June 2022</td>
<td>Bird Rd, Stratford</td>
</tr>
<tr>
<td>Vickers Quarries Ltd</td>
<td>4905-3.1</td>
<td>D_s, D_g, D_w</td>
<td>1 June 2022</td>
<td></td>
</tr>
<tr>
<td></td>
<td>5218-2.1</td>
<td>D_s, D_g</td>
<td>1 June 2022</td>
<td></td>
</tr>
<tr>
<td></td>
<td>7360-1</td>
<td>SM</td>
<td>1 June 2021</td>
<td>York Road, Midhirst</td>
</tr>
<tr>
<td></td>
<td>9850-1</td>
<td>IGT</td>
<td>1 June 2022</td>
<td></td>
</tr>
<tr>
<td></td>
<td>9812-1.1</td>
<td>SM</td>
<td>1 June 2022</td>
<td></td>
</tr>
</tbody>
</table>

**KEY:**
- D_s discharge treated stormwater
- D_w discharge treated wash/wastewater
- D_g discharge treated groundwater
- D_c discharge cleanfill
- T take water
- IGT incidental groundwater take
- SM stream modifications
- C Culvert

**Note:** Bold review dates occur prior to the next biennial report (2020-2022)

### 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 five 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;
- discussion over monitoring requirements;
- preparation for any consent reviews, renewals or new consent applications;
- 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 2018-2020 period.
2 AA Contracting Ltd – Te Arei Road
13th Compliance Monitoring Biennial Report 2018-2020

2.1 Introduction

AA Contracting Ltd (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 2).

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. In 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. The Regional Freshwater Plan for Taranaki (TRC, 2001) identifies the Waiongana Stream and its tributaries (which includes the Mangaoraka Stream) as having high, natural ecological and amenity value. Specifically it is identified as being highly valued for angling, and highly rated for recreation including whitebaiting. Thus it is particularly important to have careful management of the quarry stormwater system.

Figure 2  AA Contracting Ltd quarry site

2.2 Resource consents

<table>
<thead>
<tr>
<th>Consent number</th>
<th>Purpose</th>
<th>Granted</th>
<th>Review</th>
<th>Expires</th>
</tr>
</thead>
<tbody>
<tr>
<td>5651-2</td>
<td>To discharge treated stormwater and washwater from quarry operations into land and into the Mangaoraka Stream</td>
<td>18 May 2015</td>
<td>1 June 2026</td>
<td>1 June 2032</td>
</tr>
</tbody>
</table>

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 management and liaison with the consent holder, site inspections, and chemical sampling when required.

2.4 Environmental and administrative performance summary

Four inspections were undertaken at the Te Arei Road quarry during the 2018-2020 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 quarry runoff to the stormwater settlement ponds. Discharges after heavy rainfall were clear.

Photo 1 AA Contracting Ltd quarry settlement pond January 2020

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 2018-2020 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 over the 2018-2020 monitoring period

<table>
<thead>
<tr>
<th>Purpose: To discharge treated stormwater and washwater from quarry operations into land and into the Mangaoraka Stream.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Condition requirement</td>
</tr>
<tr>
<td>1. No direct discharge of untreated stormwater</td>
</tr>
<tr>
<td>2. All stormwater is directed for treatment</td>
</tr>
<tr>
<td>Purpose: To discharge treated stormwater and washwater from quarry operations into land and into the Mangaoraka Stream.</td>
</tr>
<tr>
<td>---</td>
</tr>
<tr>
<td>3. Discharge outlet to prevent backflow from the stream into the settling pond</td>
</tr>
<tr>
<td>4. Operate and maintain settling pond system to ensure consent conditions are met and discharge duration and frequency is minimised</td>
</tr>
<tr>
<td>5. Treatment system bunded to prevent inflow of surrounding stormwater</td>
</tr>
<tr>
<td>6. Progressive reinstatement of the quarry to minimise the area of exposed earth and stormwater catchment</td>
</tr>
<tr>
<td>7. Best practicable option to prevent or minimise adverse effects</td>
</tr>
<tr>
<td>8. Treated stormwater to comply with chemical limits prior to discharge into receiving waters</td>
</tr>
<tr>
<td>9. Beyond the mixing zone, discharge shall not affect the physical characteristics of receiving waters of the Mangaoraka Stream</td>
</tr>
<tr>
<td>10. Beyond the mixing zone, the discharge shall not breach turbidity limits.</td>
</tr>
<tr>
<td>11. Maintain and review contingency plan</td>
</tr>
<tr>
<td>12. Notification prior to any changes in processes or operations at the site</td>
</tr>
<tr>
<td>13. Review clause</td>
</tr>
</tbody>
</table>

Overall assessment of consent compliance and environmental performance in respect of this consent: **High**
Overall assessment of administrative performance in respect of this consent: **High**

Overall, the Company received a high rating for both their environmental and administrative performance in the monitoring period from 1 July 2018 to 30 June 2020, as all quarry activities were compliant with the specified consent conditions.

### 2.5 Alterations and recommendations for 2020-2022

It is recommended that monitoring of AA Contracting Ltd’s Te Arei Road quarry site in the 2020-2022 period continues at the same level as in 2018-2020 with two inspections per year, one to occur during summer and one during wet weather. Discharge samples are to be collected if warranted.
3 Jones Quarry Ltd – Kekeua Road
2nd Compliance Monitoring Biennial Report 2018-2020

3.1 Introduction

Kekeua Road quarry is located on the true right bank of the Mangaone Stream 7, off Kekeua Road, Warea (Figure 3, Photo 2). The quarry changed ownership from Coastal Drainage Ltd to Jones Quarry Ltd (the Company), and a new consent was issued in February 2019. No activity has occurred onsite during the monitoring period. Stormwater for the site is currently being drained to a soak hole, with no active discharge to the nearby Mangaone Stream 7.

Figure 3  Map of Jones Quarry Ltd Kekeua Road quarry, showing Mangaone Stream 7

Photo 2  Jones Quarry Ltd Kekeua Road quarry, December 2019

3.2 Resource consents

<table>
<thead>
<tr>
<th>Consent number</th>
<th>Purpose</th>
<th>Granted</th>
<th>Lapse</th>
<th>Expires</th>
</tr>
</thead>
<tbody>
<tr>
<td>10715-1.0</td>
<td>To discharge stormwater contaminated with sediment onto and into land from a quarry site</td>
<td>18 February 2019</td>
<td>31 March 2024</td>
<td>1 June 2037</td>
</tr>
</tbody>
</table>
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 management and liaison with the consent holder, site inspections, and chemical sampling when required.

### 3.4 Environmental and administrative performance summary

Three inspections were undertaken at Kekeua Road quarry during the 2018-2020 period. The site was found to be inactive and no discharge was flowing from site, as such the consent was deemed to be complied with.

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 10715-1 over the 2018-2020 monitoring period**

<table>
<thead>
<tr>
<th>Purpose: To discharge stormwater contaminated with sediment onto and into land from a quarry site</th>
<th>Condition requirement</th>
<th>Means of monitoring during period under review</th>
<th>Compliance Achieved?</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Active area not to exceed 0.46 ha</td>
<td>Site inspections</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>2. Earthworks to be undertaken in accordance with guidelines</td>
<td>Site inspections</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>3. Runoff to pass through sediment retention ponds</td>
<td>Site inspections</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>4. Stabilisation of soil following disturbance activities</td>
<td>Site inspections</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>5. Seven working days’ notice prior to commencement of works</td>
<td>Receipt of notification</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>6. Adopt best practicable option to prevent or minimise adverse effects</td>
<td>Site inspections</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>7. Lapse date 31 March 2024</td>
<td>Site inspections/notification</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>8. Review clause</td>
<td>Next review option June 2025</td>
<td>N/A</td>
<td></td>
</tr>
</tbody>
</table>

Overall, the Company received a high rating for both their environmental and administrative performance in the monitoring period from 1 July 2018 to 30 June 2020, as the site was compliant with the specified consent conditions.

### 3.5 Alterations and recommendations for 2020-2022

It is recommended that monitoring of Jones Quarry Ltd’s Kekeua Road quarry site in the 2020-2022 period continues at the same level as in 2018-2020 with two inspections per year, one to occur during summer and one during wet weather. Discharge samples are to be collected if warranted.
4 Ferndene Quarries Ltd
7th Compliance Monitoring Biennial Report 2018-2020

4.1 Introduction

Ferndene Quarries Ltd (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 4 and Photo 3). The quarry began operating in 2004; activities carried out on site include the extraction of aggregate, followed by crushing, sorting, washing and stockpiling. Stormwater is managed via a system which channels stormwater to a series of five settlement ponds. Washwater and groundwater seepage is also directed to the treatment system. Stormwater from the cleanfill is directed to a large stormwater holding pond, which drains by gravity to the treatment system. Treated stormwater is discharged to the unnamed tributary of the Mangaoraka Stream and is likely to contain suspended sediment, and may potentially carry hydrocarbons lost from the operating machinery. The *Regional Freshwater Plan for Taranaki (TRC, 2001)* identifies the Waiongana Stream and its tributaries (which includes the Mangaoraka Stream) as having high, natural ecological and amenity value. Specifically it is identified as being highly valued for angling, and highly rated for recreation including whitebaiting. Thus it is particularly important to have careful management of the quarry stormwater system. The total active quarry area is no more than 10 ha at any one time. After extraction of aggregates, the pit is reinstated progressively by infilling with cleanfill, covering with stockpiled overburden and restoring it to pasture.

The Company is currently applying for a consent renewal for the stormwater discharge consent, which will include discharge of treated washwater and groundwater seepage. It was determined during the monitoring period that groundwater was seeping into the current extraction pit (Photo 4) and therefore the company is in the process of applying for an incidental groundwater take consent. A consent renewal was issued for the cleanfill discharge consent in February 2020, which now allows for the disposal of New Plymouth District Council (NPDC) Water Treatment Plant (WTP) sludge.
Photo 3  Ferndene Quarries Ltd excavation pit, January 2019

Photo 4  Ferndene Quarries Ltd groundwater seepage being pumped to the stormwater ponds, May 2019
### 4.2 Resource consents

<table>
<thead>
<tr>
<th>Consent number</th>
<th>Purpose</th>
<th>Granted</th>
<th>Review</th>
<th>Expires</th>
</tr>
</thead>
<tbody>
<tr>
<td>6453-1</td>
<td>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</td>
<td>16 September 2004</td>
<td>No further reviews</td>
<td>1 June 2020 - Section 124 Protection</td>
</tr>
<tr>
<td>7089-1</td>
<td>To discharge cleanfill onto and into land for quarry reinstatement purposes</td>
<td>2 April 2007</td>
<td>June 2020</td>
<td>Superseded</td>
</tr>
<tr>
<td>7089-1.1</td>
<td>To discharge cleanfill onto and into land for quarry reinstatement purposes</td>
<td>21 January 2020</td>
<td>No reviews</td>
<td>1 June 2026</td>
</tr>
</tbody>
</table>

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 management and liaison with the consent holder, site inspections, and chemical sampling when required.

### 4.4 Environmental and administrative performance summary

Four routine monitoring inspections and one follow up inspection were undertaken at the Upland Road quarry and cleanfill site within the 2018-2020 monitoring period. Generally the inspections found the quarry 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 rain events and the discharge was found to be clear (Photo 5). Water was being actively pumped from the quarry pit to the stormwater treatment system. It was noted that the settlement ponds needed cleaning out and some contouring at the bottom site could be improved to direct stormwater effectively, as well as some un-joined pipe repairs needed to prevent stormwater ponding. During one inspection the wash plant was active and washwater was soaking to land around the site.

![Photo 5](Ferndene Quarries Ltd final stormwater settlement pond, January 2019)
During a cleanfill inspection in May 2019, there were tanalised timber and household items present, along with a small amount of re-enforcing steel. This was dealt with immediately by the Company. In January 2020 there were tires present, which were removed shortly afterwards. In May 2020, the cleanfill was contaminated with numerous prohibited household and building items and greenwaste (Photo 6). The Company was issued with an abatement notice (EAC-23340) to remove unauthorised materials. A re-inspection was done in July 2020 and found the cleanfill was compliant with the abatement notice and consent conditions.

![Photo 6](image)

The Company notified the Council that WTP sludge would start arriving in February 2020, and provided laboratory test results. An updated Quarry Management Plan, including the management of the WTP sludge was provided in January 2020.

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 2018-2020 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 6-8.

**Table 6** Summary of compliance with consent 6453-1 over the 2018-2020 monitoring period

<table>
<thead>
<tr>
<th>Condition requirement</th>
<th>Means of monitoring during period under review</th>
<th>Compliance Achieved?</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Best practicable option</td>
<td>Site inspections</td>
<td>Yes</td>
</tr>
<tr>
<td>2. Exercise of consent in accordance with application</td>
<td>Site inspections</td>
<td>Yes</td>
</tr>
<tr>
<td>3. No direct discharge of untreated stormwater</td>
<td>Inspections of treatment system and discharge point</td>
<td>Yes</td>
</tr>
<tr>
<td>4. Bunding of site to contain contaminated waters</td>
<td>Site inspections</td>
<td>Yes</td>
</tr>
<tr>
<td>5. Take measures to prevent erosion of exposed areas</td>
<td>Site inspections</td>
<td>Yes</td>
</tr>
<tr>
<td>6. Progressive reinstatement of quarry</td>
<td>Site inspections</td>
<td>Yes</td>
</tr>
<tr>
<td>7. Maximum stormwater catchment</td>
<td>Site inspections</td>
<td>Yes</td>
</tr>
</tbody>
</table>
Table 7  Summary of compliance with consent 7089-1 over the 2018-2020 monitoring period

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*

<table>
<thead>
<tr>
<th>Condition requirement</th>
<th>Means of monitoring during period under review</th>
<th>Compliance Achieved?</th>
</tr>
</thead>
<tbody>
<tr>
<td>8. Management of the silt control structures</td>
<td>Inspections of the silt control structures</td>
<td>Yes</td>
</tr>
<tr>
<td>9. Concentration limits</td>
<td>Inspections of discharge point and receiving water</td>
<td>Yes</td>
</tr>
<tr>
<td>10. No effects on receiving water below mixing zone</td>
<td>Inspections of receiving water</td>
<td>Yes</td>
</tr>
<tr>
<td>11. Limits on turbidity &amp; suspended solids</td>
<td>Inspections of discharge point and receiving water</td>
<td>Yes</td>
</tr>
<tr>
<td>12. Provision of site plan, stormwater management plan and contingency plan</td>
<td>Reviewed plan received January 2020</td>
<td>Yes</td>
</tr>
<tr>
<td>13. Reinstatement of quarry</td>
<td>Quarry still operating</td>
<td>N/A</td>
</tr>
<tr>
<td>14. Consent lapse</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>15. Review clause</td>
<td>Consent has expired - Section 124 Protection</td>
<td>N/A</td>
</tr>
</tbody>
</table>

Overall assessment of consent compliance and environmental performance in respect of this consent: High

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 2018 to 30 June 2020, as all quarry activities were compliant with the specified consent conditions.

**Table 7**  Summary of compliance with consent 7089-1 over the 2018-2020 monitoring period

Purpose: *To discharge cleanfill onto and into land for quarry reinstatement purposes*

<table>
<thead>
<tr>
<th>Condition requirement</th>
<th>Means of monitoring during period under review</th>
<th>Compliance Achieved?</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Exercise of consent to be in accordance with information submitted</td>
<td>Site inspections</td>
<td>Yes</td>
</tr>
<tr>
<td>2. Materials permitted for discharge must be inert</td>
<td>Site inspections – Some tanalised timber and household rubbish present</td>
<td>No</td>
</tr>
<tr>
<td>3. Materials not permitted to be disposed of to cleanfill</td>
<td>Site inspections – Some tanalised timber and household rubbish present</td>
<td>No</td>
</tr>
<tr>
<td>4. No contaminants entering water</td>
<td>Inspections of site</td>
<td>Yes</td>
</tr>
<tr>
<td>5. Maintain silt retention structures</td>
<td>Inspections of site</td>
<td>Yes</td>
</tr>
<tr>
<td>6. Install and maintain stormwater diversion drains</td>
<td>Inspections of site</td>
<td>Yes</td>
</tr>
<tr>
<td>7. Cleanfill management plan</td>
<td>Reviewed plan received January 2020</td>
<td>Yes</td>
</tr>
</tbody>
</table>
In relation to consent 7089-1 in the monitoring period from 1 July 2018 to 30 June 2020, the Company received a good rating for environmental performance, as there were some unauthorised materials present that were removed in a timely manner. They received a high rating for administrative performance.

**Table 8  Summary of compliance with consent 7089-1.1 over the 2018-2020 monitoring period**

<table>
<thead>
<tr>
<th>Purpose: To discharge cleanfill onto and into land for quarry reinstatement purposes</th>
<th>Means of monitoring during period under review</th>
<th>Compliance Achieved?</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Exercise of consent to be in accordance with information submitted</td>
<td>Site inspections</td>
<td>Yes</td>
</tr>
<tr>
<td>2. Materials permitted for discharge must be inert</td>
<td>Site inspections – tires, household/building rubbish and greenwaste present</td>
<td>No</td>
</tr>
<tr>
<td>3. Materials not permitted to be disposed of to cleanfill</td>
<td>Site inspections – tires, household/building rubbish and greenwaste present</td>
<td>No</td>
</tr>
<tr>
<td>4. Authorisation of discharge of NPDC WTP sludge</td>
<td>N/A</td>
<td>Yes</td>
</tr>
<tr>
<td>5. WTP sludge to be mixed with soil</td>
<td>Site inspections</td>
<td>Yes</td>
</tr>
<tr>
<td>6. Notify Council 7 days prior to WTP sludge discharge</td>
<td>Receipt of notification 17 February 2020</td>
<td>Yes</td>
</tr>
<tr>
<td>7. WTP sludge to be 10 m from stream</td>
<td>Site inspections</td>
<td>Yes</td>
</tr>
<tr>
<td>8. Silt retention structures</td>
<td>Site inspections</td>
<td>Yes</td>
</tr>
<tr>
<td>9. Stormwater diversion drains</td>
<td>Site inspections</td>
<td>Yes</td>
</tr>
<tr>
<td>10. Cleanfill Management Plan</td>
<td>Reviewed plan received January 2020</td>
<td>Yes</td>
</tr>
<tr>
<td>11. Adopt best practicable option to prevent or minimise adverse effects</td>
<td>Site inspections – unauthorised material repeatedly present</td>
<td>No</td>
</tr>
<tr>
<td>12. Stabilisation and revegetation upon completion of works</td>
<td>Site inspections</td>
<td>N/A</td>
</tr>
</tbody>
</table>
Purpose: To discharge cleanfill onto and into land for quarry reinstatement purposes

<table>
<thead>
<tr>
<th>13. Review clause</th>
<th>No further review options</th>
<th>N/A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall assessment of consent compliance and environmental performance in respect of this consent</td>
<td>Improvement required</td>
<td>High</td>
</tr>
<tr>
<td>Overall assessment of administrative performance in respect of this consent</td>
<td>Improvement required</td>
<td>High</td>
</tr>
</tbody>
</table>

In relation to consent 7089-1.1 in the monitoring period from 1 July 2018 to 30 June 2020, the Company received a rating for their environmental performance of improvement required as there were large amounts of unauthorised materials present and an abatement notice was issued. This was a repeat offence over the monitoring period. They received a high rating for their administrative performance.

Overall, for all consents held, the Company received a good rating for both their environmental and administrative performance for the monitoring period from 1 July 2018 to 30 June 2020. There were no incidents recorded that were associated with operations at the Upland Road Quarry, however the management of the cleanfill site requires improvement.

4.5 Alterations and recommendations for 2020-2022

It is recommended that monitoring of Ferndene Quarries Ltd’s Upland Road site in the 2020-2022 period continues at the same level as in 2018-2020 with two inspections per year, one to occur during summer and one during wet weather. Discharge samples are to be collected if warranted.
5 GR & LJ Jones - Waitara
8th Compliance Monitoring Biennial Report 2018-2020

5.1 Introduction

GR & LJ Jones (the consent holder) quarrying operation is located on the true right of the Mangaoraka Stream at Mahoetahi Road, Brixton, Waitara (Figure 5 and Photo 7). Quarrying operations began here in 2004, to help improve the rocky subsoil of the dairy farm. In 2009 the operator was also granted consent to discharge cleanfill. Since the commencement of quarrying at the site, the consent holder has 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, and on to the Mangaoraka Stream. The Regional Freshwater Plan for Taranaki (TRC, 2001) identifies the Waiongana Stream and its tributaries (which includes the Mangaoraka Stream) as having high, natural ecological and amenity value. Specifically it is identified as being highly valued for angling, and highly rated for recreation including whitebaiting. Thus it is particularly important to have careful management of the quarry stormwater system.

The consent holder is currently applying for a consent renewal for the stormwater discharge consent.
5.2 Resource consents

<table>
<thead>
<tr>
<th>Consent number</th>
<th>Purpose</th>
<th>Granted</th>
<th>Review</th>
<th>Expires</th>
</tr>
</thead>
<tbody>
<tr>
<td>6274-1</td>
<td>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</td>
<td>25 March 2004</td>
<td>No further reviews</td>
<td>1 June 2020 – Section 124 Protection</td>
</tr>
<tr>
<td>7439-1</td>
<td>To discharge cleanfill onto and into land in the vicinity of the Mangaoraka Stream</td>
<td>27 January 2009</td>
<td>No further reviews</td>
<td>1 June 2026</td>
</tr>
</tbody>
</table>

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 management and liaison with the consent holder, site inspections, and chemical sampling when required.

5.4 Environmental and administrative performance summary

Four routine compliance monitoring inspections were undertaken at the Mahoetahi Road site over the 2018-2020 monitoring period. Discharges to the unnamed tributary from the final settlement pond were mostly clear with water being discharged to land on one occasion as it was discoloured. The wash plant was active on one occasion and no washwater was reaching the tributaries. Dust on site was well controlled, with a spray water tanker being used on the tracks during summer.
During three of the cleanfill inspections in May 2019, March 2020 and May 2020, the investigating officer found unauthorised re-enforcing steel present in the cleanfill. Any further instances of re-enforcing steel presence will result in enforcement action. Other unauthorised material was found by the operators and had been removed. During the May 2020 inspection, greenwaste was also present. Advice was given that this cannot be dumped in cleanfill. After further discussions, the consent holder has opted to mulch any greenwaste that comes in, mix with bark and store for short periods in a sealed containment area until it can be sold. This activity is permitted so long as there is no discharge or leaching from the greenwaste to land or water.

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 2018-2020 monitoring period did not note any adverse effects occurring in the receiving waters.

A tabular summary of the consent holders’ compliance record for the period under review is set out in Tables 9 and 10.

### Table 9  Summary of compliance with consent 6274-1 over the 2018-2020 monitoring period

<table>
<thead>
<tr>
<th>Condition requirement</th>
<th>Means of monitoring during period under review</th>
<th>Compliance Achieved?</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Adopt best practicable option to prevent or minimise adverse effects</td>
<td>Site inspections</td>
<td>Yes</td>
</tr>
<tr>
<td>2. Exercise consent in accordance with documentation submitted</td>
<td>Site inspections</td>
<td>Yes</td>
</tr>
<tr>
<td>3. No direct discharge of untreated stormwater</td>
<td>Site inspections and inspection of receiving waters</td>
<td>Yes</td>
</tr>
<tr>
<td>4. Washwater treatment system to be bunded to prevent inflow of stormwater and groundwater</td>
<td>Site inspections</td>
<td>Yes</td>
</tr>
<tr>
<td>5. Active quarry site to be bunded and all water directed to treatment system</td>
<td>Site inspections</td>
<td>Yes</td>
</tr>
<tr>
<td>6. Control erosion and minimise sediment in the stormwater</td>
<td>Inspections of stormwater system and excavation area</td>
<td>Yes</td>
</tr>
<tr>
<td>7. Operate and progressive reinstatement of the site</td>
<td>Inspections of the excavation area</td>
<td>Yes</td>
</tr>
<tr>
<td>8. Stormwater catchment area to be no more than 2 ha</td>
<td>Site inspections</td>
<td>Yes</td>
</tr>
<tr>
<td>9. Maintain and operate silt control structures</td>
<td>Inspections of the silt control structures and stormwater discharge areas</td>
<td>Yes</td>
</tr>
<tr>
<td>10. Concentration limits in the discharge</td>
<td>Site inspections and inspection of receiving waters</td>
<td>Yes</td>
</tr>
<tr>
<td>11. Discharge shall not give rise to effects beyond the mixing zone</td>
<td>Inspections of the stream, upstream and downstream of the discharge point</td>
<td>Yes</td>
</tr>
</tbody>
</table>
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

| Condition requirement                                                                 | Means of monitoring during period under review | Compliance Achieved?
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>12. Discharge must not increase turbidity by more than 50%</td>
<td>Inspections of the tributary and the Mangaoraka Stream</td>
<td>Yes</td>
</tr>
<tr>
<td>13. Site plan, stormwater management plan, and contingency plan supplied</td>
<td>Plans received 2004, no changes</td>
<td>Yes</td>
</tr>
<tr>
<td>14. Reinstatement on cessation of quarrying</td>
<td>Quarry still operating</td>
<td>N/A</td>
</tr>
<tr>
<td>15. Consent lapse</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>16. Review provision</td>
<td>No further review dates. Consent has expired – Section 124 protection</td>
<td>N/A</td>
</tr>
</tbody>
</table>

Overall assessment of consent compliance and environmental performance in respect of this consent: **High**
Overall assessment of administrative performance in respect of this consent: **High**

In relation to consent 6274-1, the consent holder received a high rating for their environmental and administrative performance in the monitoring period from 1 July 2018 to 30 June 2020, as all quarry activities were compliant with the specified consent conditions.

Table 10  Summary of compliance with consent 7439-1 over the 2018-2020 monitoring period

Purpose: To discharge cleanfill onto and into land in the vicinity of the Mangaoraka Stream

| Condition requirement                                                                 | Means of monitoring during period under review | Compliance Achieved?
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Disposal only to occur in pit area specified in consent</td>
<td>Inspections of cleanfill site</td>
<td>Yes</td>
</tr>
<tr>
<td>2. Materials permitted to be disposed of</td>
<td>Inspections of cleanfill site – rebar and greenwaste present. Warnings given</td>
<td>No</td>
</tr>
<tr>
<td>3. Materials not permitted to be disposed of</td>
<td>Inspections of cleanfill site – rebar and greenwaste present. Warnings given</td>
<td>No</td>
</tr>
<tr>
<td>4. Written approval required if unsure material is acceptable or not</td>
<td>Verbal approval given to hold greenwaste on site – but not in cleanfill. Conversation documented by Council</td>
<td>Yes</td>
</tr>
<tr>
<td>5. Adopt best practicable option to prevent or minimise adverse effects</td>
<td>Inspections of cleanfill site</td>
<td>Yes</td>
</tr>
<tr>
<td>6. Stabilisation and revegetation of site on completion of cleanfill operation</td>
<td>N/A – cleanfill still operating</td>
<td>N/A</td>
</tr>
<tr>
<td>7. Consent lapse</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>8. Review of consent</td>
<td>No further review options</td>
<td>N/A</td>
</tr>
</tbody>
</table>

Overall assessment of consent compliance and environmental performance in respect of this consent: **Good**
Overall assessment of administrative performance in respect of this consent: **High**
In the monitoring period from 1 July 2018 to 30 June 2020, in relation to consent 7439-1, the consent holders received a good rating for their environmental performance as unauthorised material was found in the cleanfill repeatedly. This was dealt with at the time but future instances will result in enforcement action. The consent holders received a high rating for administrative performance.

Overall, for all consents held, the consent holders received a high rating for their environmental and administrative performance for the monitoring period from 1 July 2018 to 30 June 2020. Overall, the quarry was tidy and well managed, however the cleanfill requires some improvement in management.

5.5 Alterations and recommendations for 2020-2022

It is recommended that monitoring of GR & LJ Jones’ Mahoetahi Road site in the 2020-2022 period continues at the same level as in 2018-2020 with two inspections per year, one to occur during summer and one during wet weather. Discharge samples are to be collected if warranted.
6 Gibson Family Trust – Puniho Road
4th Compliance Monitoring Biennial Report 2018-2020

6.1 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 6). 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 the existing ponds to collect stormwater from the 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.

The stormwater discharge consent expired during the end of the monitoring period and a renewal was granted on 10th July 2020.

![Figure 6](image.png)

6.2 Resource consents

<table>
<thead>
<tr>
<th>Consent number</th>
<th>Purpose</th>
<th>Granted</th>
<th>Review</th>
<th>Expired</th>
</tr>
</thead>
<tbody>
<tr>
<td>9547-1</td>
<td>To discharge stormwater from a quarry site into an unnamed tributary of the Matanehunehu Stream</td>
<td>16 April 2013</td>
<td>No further reviews</td>
<td>1 June 2020</td>
</tr>
</tbody>
</table>

Copies of the consent are included in Appendix I.
6.3 Compliance monitoring programme

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

6.4 Environmental and administrative performance summary

Four inspections were undertaken at the consent holder’s Puniho Road quarry during the 2018-2020 period. Inspections noted the site is well bunded and the site floor directs water to the sediment ponds, which are working well. The final pond was discharging on two occasions and was running clear both times. During the May 2020 inspection, an oil container was partially spilled next to the ponds but no oil had entered the stormwater system. The consent holder was instructed to remove contaminated soil. Overall the site was compliant with consent conditions (Photo 8).

Photo 8  Puniho Road quarry site excavation and soakhole

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 2018-2020 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 11.

Table 11  Summary of compliance with consent 9547-1 over the 2018-2020 monitoring period

<table>
<thead>
<tr>
<th>Condition requirement</th>
<th>Means of monitoring during period under review</th>
<th>Compliance Achieved?</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Maximum stormwater catchment area</td>
<td>Site inspections</td>
<td>Yes</td>
</tr>
</tbody>
</table>
## Purpose: To discharge stormwater from a quarry site into an unnamed tributary of the Matanehunehu Stream

<table>
<thead>
<tr>
<th></th>
<th>Description</th>
<th>Compliance</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>Run off from active quarry areas shall pass through settlement ponds or sediment traps</td>
<td>Site inspections</td>
</tr>
<tr>
<td>3</td>
<td>Best practicable option to prevent or minimise adverse effects</td>
<td>Site inspections</td>
</tr>
<tr>
<td>4</td>
<td>Contour the active quarry site so that all water is directed for treatment</td>
<td>Site inspections</td>
</tr>
<tr>
<td>5</td>
<td>Beyond the mixing zone, discharge shall not affect the physical characteristics of receiving waters</td>
<td>Inspections of the river</td>
</tr>
<tr>
<td>6</td>
<td>Implement and maintain a stormwater management plan</td>
<td>Received 22 March 2013, no changes</td>
</tr>
<tr>
<td>7</td>
<td>Notification prior to any changes in processes or operations at the site</td>
<td>Receipt of notification</td>
</tr>
<tr>
<td>8</td>
<td>Lapse clause</td>
<td>Consent has been exercised</td>
</tr>
<tr>
<td>9</td>
<td>Review clause</td>
<td>No further review options</td>
</tr>
</tbody>
</table>

Overall assessment of consent compliance and environmental performance in respect of this consent: High
Overall assessment of administrative performance in respect of this consent: High

Overall, the consent holder received a high rating for both their environmental and administrative performance in the monitoring period from 1 July 2018 to 30 June 2020, as all quarry activities were compliant with the specified consent conditions, although advice has been given to take care with contaminants reaching the receiving environment.

### 6.5 Alterations and recommendations for 2020-2022

It is recommended that monitoring of Gibson Family Trust’s Puniho Road site in the 2020–2022 period continues at the same level as in 2018–2020 with two inspections per year, one to occur during summer and one during wet weather. Discharge samples are to be collected if warranted.
7 Goodin AG Ltd- Kahui Road
7th Compliance Monitoring Biennial Report 2018-2020

7.1 Introduction

The Goodin AG Ltd 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 Rahotu (Figure 7). The quarry was operated as Surf Highway Excavations from 2005, and was transferred to Goodin AG Ltd (the Company) on 19 December 2014. The quarry excavates between 4,000-6,000 m³/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 1.5 ha at any one time. There are two sediment ponds with a total capacity of 2,400 m². The smaller one is in the stockpile area and works as a soakhole, and the larger one in the north of the site has a discharge pipe, which flows over land to a wet area at the head of the unnamed tributary to the south.

![Figure 7 Goodin AG Ltd quarry site](image)

7.2 Resource consents

<table>
<thead>
<tr>
<th>Consent number</th>
<th>Purpose</th>
<th>Granted</th>
<th>Review</th>
<th>Expires</th>
</tr>
</thead>
<tbody>
<tr>
<td>6585-2</td>
<td>To discharge stormwater from a quarry site onto and into land in the vicinity of an unnamed tributary of the Pungaereereere Stream</td>
<td>14 February 2020</td>
<td>1 June 2025</td>
<td>1 June 2037</td>
</tr>
</tbody>
</table>
Copies of the consent are included in Appendix I.

7.3 Compliance monitoring programme

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

7.4 Environmental and administrative performance summary

Four inspections were undertaken at the Company’s quarry during the 2018-2020 period. During two of the inspections there was no activity occurring onsite. After heavy rainfall, the main settlement pond was discharging and found to be clear, with no water reaching the tributary. There was no objectionable dust discharging offsite during inspections. The site was well maintained, generally tidy and visually compliant with resource consent conditions (Photo 9).

![Photo 9](image)

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 2018-2020 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>
<thead>
<tr>
<th>Table 12</th>
<th>Summary of compliance with consent 6585-2 over the 2018-2020 monitoring period</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Purpose:</strong> 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</td>
<td></td>
</tr>
<tr>
<td><strong>Condition requirement</strong></td>
<td><strong>Means of monitoring during period under review</strong></td>
</tr>
<tr>
<td>1. Active site shall not exceed 1.5 ha</td>
<td>Site inspections, GIS measurements</td>
</tr>
<tr>
<td>2. Condition on size of sediment retention ponds</td>
<td>Site inspections</td>
</tr>
</tbody>
</table>
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

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>3.</td>
<td>Best practicable option to prevent or minimise adverse effects</td>
<td>Site inspections</td>
</tr>
<tr>
<td>4.</td>
<td>Contouring and bunding on unvegetated areas</td>
<td>Site inspections</td>
</tr>
<tr>
<td>5.</td>
<td>Stormwater Management Plan</td>
<td>Plan has not been received – please submit.</td>
</tr>
<tr>
<td>6.</td>
<td>Notify Council of any changes to processes or operations onsite</td>
<td>Receipt of notification, site inspections</td>
</tr>
<tr>
<td>7.</td>
<td>Review clause</td>
<td>Review option 1 June 2025</td>
</tr>
</tbody>
</table>

Overall assessment of consent compliance and environmental performance in respect of this consent
High Improvement Required

Overall assessment of administrative performance in respect of this consent

Overall, the Company received a high rating for their environmental performance and an improvement was required in terms of their administrative performance in the monitoring period from 1 July 2018 to 30 June 2020, as all quarry activities were compliant with the specified consent conditions, but a Stormwater Management Plan has not yet been submitted.

7.5 Alterations and recommendations for 2020-2022

It is recommended that monitoring of Goodin AG Ltd’s Kahui Road quarry site in the 2020-2022 period continues at the same level as in 2018-2020 with two inspections per year, one to occur during summer and one during wet weather. Discharge samples are to be collected if warranted.
Jones Quarry Ltd’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 8). The consents to operate the quarry and cleanfill for this site were transferred to Jones Quarry Ltd (the Company) on 10 February 2015; prior to this the quarry has been operated as Graham Harris (2000) Ltd, and New Plymouth Quarries Ltd. Active quarrying and exposed areas are contoured and bunded to direct stormwater to treatment ponds prior to discharge. In July 2019 a new two pond system was installed in the north west of the quarry (Photo 10). The discharge point was moved downstream slightly to accommodate for excavations on the western side of the quarry. The discharge point has a tap on it to prevent contaminated discharge. Reinstatement of excavated areas at the quarry is carried out using cleanfill.

Figure 8  Jones Quarry Ltd quarry and cleanfill site on Hydro Road
8.2 Resource consents

<table>
<thead>
<tr>
<th>Consent number</th>
<th>Purpose</th>
<th>Granted</th>
<th>Review</th>
<th>Expires</th>
</tr>
</thead>
<tbody>
<tr>
<td>3888-4</td>
<td>To discharge treated stormwater from a quarry site onto and into land and into the Waiwhakaiho River</td>
<td>24 October 2014</td>
<td>1 June 2026</td>
<td>1 June 2032</td>
</tr>
<tr>
<td>3912-4</td>
<td>To discharge treated washwater from shingle washing operations onto and into land and into the Waiwhakaiho River</td>
<td>24 October 2014</td>
<td>1 June 2026</td>
<td>1 June 2032</td>
</tr>
<tr>
<td>4912-2</td>
<td>To discharge cleanfill onto and into land for quarry reinstatement purposes in the vicinity of the Waiwhakaiho River</td>
<td>21 February 2008</td>
<td>No further reviews</td>
<td>1 June 2026</td>
</tr>
</tbody>
</table>

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 management and liaison with the consent holder, site inspections, and chemical sampling when required.

8.4 Environmental and administrative performance summary

Four routine compliance monitoring inspections were undertaken at the Company’s Hydro Road quarry during the 2018-2020 period. Inspections of the stormwater system after heavy rainfall showed that discharges from the ponds were clear. During an inspection in December 2019 it was found that the bunding next to the washwater pond was lower and it was likely that stormwater would directly discharge to the river from there. Advice was given to fix this section of bunding. During an inspection in June 2019 the washwater system was recirculating, however a spill of hydraulic oil was found in the washwater. This was
due to mechanical failure, and advice was given to ensure spills are cleaned up immediately in the future. All other inspections showed the Company was compliant with stormwater and washwater consent conditions.

A complaint was received on 12 July 2019 regarding discolouration of the Waiwhakaiho River. The Company had been discharging sediment laden water via a submersible pump, due to heavy rainfall filling up the new sediment ponds, while they were still in the process of being dug. However, the Company was found to be compliant with consent conditions as the discolouration was no further than 50 m downstream, and the chemical sampling results were compliant with suspended solid limits.

During the cleanfill inspection in January 2019, there was tanalised timber present and the Company was given a warning. Following this, the inspection in June 2019 found a number of prohibited materials in the cleanfill, including but not limited to tanalised timber, painted timber, galvanised tin and metals, electrical wiring, bedding mattress and springs, polystyrene and Selleys Liquid nails (Photo 11). An abatement notice was issued (EAC-22702) to remove the materials and ensure compliance in the future. The inspection in December 2019 showed the abatement notice was being complied with, although there was some concrete present with reinforcing steel exposed. Advice was given to cut this off. The cleanfill inspection in May 2020 showed the site had been altered slightly to prevent discharge of unauthorised cleanfill material by directing vehicles through the site rather than around. Advice was given to not store unauthorised material in the cleanfill, waiting for disposal, as this may result in non-compliances.

The Council was approached on numerous occasions to give approval or disapproval for specific materials to be disposed of in the cleanfill. This is good to see the Company double checking before accepting materials.

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 2018-2020 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 over the 2018–2020 monitoring period

<table>
<thead>
<tr>
<th>Purpose: To discharge treated stormwater from a quarry site onto and into land and into the Waiwhakaiho River</th>
</tr>
</thead>
<tbody>
<tr>
<td>Condition requirement</td>
</tr>
<tr>
<td>1. No direct discharge of untreated stormwater</td>
</tr>
<tr>
<td>2. All stormwater directed through settling ponds prior to discharge</td>
</tr>
<tr>
<td>3. Discharge outlet to prevent backflow from the river into the settling pond</td>
</tr>
<tr>
<td>4. Operate and maintain settling pond system to ensure consent conditions are met and discharge duration and frequency is minimised</td>
</tr>
<tr>
<td>5. Treatment system bunded to prevent inflow of surrounding stormwater</td>
</tr>
<tr>
<td>6. Progressive reinstatement of the quarry to minimise the area of exposed earth and stormwater catchment area</td>
</tr>
<tr>
<td>7. Best practicable option to prevent or minimise adverse effects</td>
</tr>
<tr>
<td>8. Concentration limits for discharge prior to entering receiving waters</td>
</tr>
<tr>
<td>9. Beyond the mixing zone, discharge shall not affect the physical characteristics of receiving waters</td>
</tr>
<tr>
<td>10. Beyond the mixing zone, depending on upstream conditions, the discharge shall not increase the suspended solids concentration beyond 10 gm⁻³ or increase turbidity of the Waiwhakaiho River by more than 50%</td>
</tr>
<tr>
<td>11. Maintain and regularly review a contingency plan</td>
</tr>
<tr>
<td>12. Notification prior to any changes in processes or operations at the site</td>
</tr>
<tr>
<td>13. Review clause</td>
</tr>
</tbody>
</table>

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 2018 to 30 June 2020, as all quarry activities were compliant with the specified consent conditions.
Table 14  Summary of compliance with consent 3912-4 over the 2018-2020 monitoring period

<table>
<thead>
<tr>
<th>Condition requirement</th>
<th>Means of monitoring during period under review</th>
<th>Compliance Achieved?</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. No direct discharge of untreated washwater</td>
<td>Inspections of site and river</td>
<td>Yes</td>
</tr>
<tr>
<td>2. All washwater directed through settling ponds prior to discharge</td>
<td>Site inspections</td>
<td>Yes</td>
</tr>
<tr>
<td>3. Discharge outlet to prevent backflow from the river into the settling pond</td>
<td>Site inspections</td>
<td>Yes</td>
</tr>
<tr>
<td>4. Operate and maintain settling pond system to ensure consent conditions are met and discharge duration and frequency is minimised</td>
<td>Consultation and inspection to ensure effective operations system</td>
<td>Yes</td>
</tr>
<tr>
<td>5. Treatment system bunded to prevent inflow of surrounding stormwater</td>
<td>Site inspections</td>
<td>Yes</td>
</tr>
<tr>
<td>6. Progressive reinstatement of the quarry to minimise the area of exposed earth and stormwater catchment area</td>
<td>Site inspections</td>
<td>Yes</td>
</tr>
<tr>
<td>7. Best practicable option to prevent or minimise adverse effects</td>
<td>Site inspections</td>
<td>Yes</td>
</tr>
<tr>
<td>8. Concentration limits for discharge prior to entering receiving waters</td>
<td>Discharge samples. Incident samples taken</td>
<td>Yes</td>
</tr>
<tr>
<td>9. Beyond the mixing zone, discharge shall not affect the physical characteristics of receiving waters</td>
<td>Inspections of the river</td>
<td>Yes</td>
</tr>
<tr>
<td>10. Beyond the mixing zone, depending on upstream conditions, the discharge shall not increase the suspended solids concentration beyond 10 gm⁻³ or increase turbidity of the Waiwhakaiho River by more than 50%</td>
<td>Inspections of the river, incident samples taken</td>
<td>Yes</td>
</tr>
<tr>
<td>11. Maintain and regularly review a contingency plan</td>
<td>Review received September 2018</td>
<td>Yes</td>
</tr>
<tr>
<td>12. Notification prior to any changes in processes or operations at the site</td>
<td>Notification given of changes to settlement ponds and discharge point</td>
<td>Yes</td>
</tr>
<tr>
<td>13. Review clause</td>
<td>Next review available in June 2026</td>
<td>N/A</td>
</tr>
<tr>
<td>Overall assessment of consent compliance and environmental performance in respect of this consent</td>
<td></td>
<td>High</td>
</tr>
<tr>
<td>Overall assessment of administrative performance in respect of this consent</td>
<td></td>
<td>High</td>
</tr>
</tbody>
</table>

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 2018 to 30 June 2020, as all quarry activities were compliant with the specified consent conditions.
### Table 15  Summary of compliance with consent 4912-2 over the 2018-2020 monitoring period

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

<table>
<thead>
<tr>
<th>Condition requirement</th>
<th>Means of monitoring during period under review</th>
<th>Compliance Achieved?</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Consent shall be exercised in accordance with application</td>
<td>Site inspections</td>
<td>Yes</td>
</tr>
<tr>
<td>2. Only clean-fill and/or inert materials may be discharged</td>
<td>Site inspections. Unauthorised material present</td>
<td>No</td>
</tr>
<tr>
<td>3. Prohibited contaminants must not be discharged</td>
<td>Site inspections. Unauthorised material present</td>
<td>No</td>
</tr>
<tr>
<td>4. In cases of uncertainty regarding a contaminant, written approval must be obtained from the Council prior to discharge</td>
<td>Approval obtained</td>
<td>Yes</td>
</tr>
<tr>
<td>5. No clean-fill to be discharged within 20 m of the bank of the Waiwhakaiho River</td>
<td>Site inspections</td>
<td>Yes</td>
</tr>
<tr>
<td>6. Discharge to land shall not result in any clean-fill material entering surface water</td>
<td>Site inspections</td>
<td>Yes</td>
</tr>
<tr>
<td>7. Dumped material to be monitored to ensure compliance</td>
<td>Site inspections. Unauthorised material present</td>
<td>No</td>
</tr>
<tr>
<td>8. After hours site access restriction</td>
<td>Site inspections</td>
<td>Yes</td>
</tr>
<tr>
<td>9. Provision of management plan</td>
<td>Management plan received 8 February 2008 – please review and provide updates</td>
<td>Yes</td>
</tr>
<tr>
<td>10. Site remediation requirement</td>
<td>Site inspection</td>
<td>N/A</td>
</tr>
<tr>
<td>11. Consent holder to educate other people discharging to site to ensure consent compliance</td>
<td>Site inspections. Unauthorised material present</td>
<td>No</td>
</tr>
<tr>
<td>12. Lapse clause</td>
<td>Consent exercised</td>
<td>N/A</td>
</tr>
<tr>
<td>13. Review clause</td>
<td>No further review options</td>
<td>N/A</td>
</tr>
</tbody>
</table>

**Overall assessment of consent compliance and environmental performance in respect of this consent:** Improvement Required

**Overall assessment of administrative performance in respect of this consent:** High

In relation to consent 4912-2 in the monitoring period from 1 July 2018 to 30 June 2020, the Company received a rating for their environmental performance of improvement required due to repeat instances of non-compliant materials in the cleanfill and the issuing of an abatement notice. The Company received a high rating for their administrative performance.

Overall, for all consents held, the Company received a good rating for their environmental and administrative performance for the monitoring period from 1 July 2018 to 30 June 2020. In general Jones Quarry was tidy and well managed, however the management of the cleanfill requires ongoing improvement.
8.5 Alterations and recommendations for 2020-2022

It is recommended that monitoring of Jones Quarry Ltd’s Hydro Road site in the 2020-2022 period continues at the same level as in 2018-2020 with two inspections per year, one to occur during summer and one during wet weather. Discharge samples are to be collected if warranted.
9 Jones Quarry Uruti Stone Ltd – Uruti
8th Compliance Monitoring Biennial Report 2018-2020

9.1 Introduction

Jones Quarry Uruti Stone Ltd (the Company) operates a quarry at Uruti, North Taranaki, having taken over management of the site from Valley Minerals in 2017. 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. It is now a source of predominantly unconsolidated, gravel wash material for use in exposed aggregate concrete and similar ornamental building products. The site is located on a farm adjacent to State Highway 3 and on the true left bank of the Mimi River (Figure 9).

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. The Regional Fresh Water Plan for Taranaki (TRC, 2001) identifies the Mimi River catchment as a regionally significant whitebaiting area, having good diversity of native aquatic fauna including eels, whitebait, bullies and torrent fish. Therefore, all streams and tributaries feeding the Mimi River are considered very important in this regard.

Figure 9 Jones Quarry Uruti Stone Ltd quarry site location

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 2.8 ha (Photo 12). Aggregate excavated from the deposits is screened, washed and stockpiled for loading out. A new laydown area for stockpiling was built near the site’s Mokau
Road boundary, and this has its own two pond stormwater treatment system. Water used to wash the aggregate is taken from the aforementioned dam. Washwater is recycled back into the dam via a series of settlement ponds and grassed areas used for filtering the water (Photo 13).

Photo 12 Uruti quarry, showing access road to upper site and treatment ponds in the distance, May 2020

Photo 13 Uruti quarry washwater and stormwater treatment system and dam in the lower quarry site, October 2019
### 9.2 Resource consents

<table>
<thead>
<tr>
<th>Consent number</th>
<th>Purpose</th>
<th>Granted</th>
<th>Review</th>
<th>Expires</th>
</tr>
</thead>
<tbody>
<tr>
<td>5124-2</td>
<td>To discharge stormwater from a quarry site onto and into land and into an unnamed tributary of the Mimi River and dam</td>
<td>4 September 2015</td>
<td>-</td>
<td>Superseded</td>
</tr>
<tr>
<td>5124-2.1</td>
<td>To discharge stormwater from a quarry site onto and into land and into an unnamed tributary of the Mimi River and dam</td>
<td>14 October 2019</td>
<td>1 June 2021</td>
<td>1 June 2033</td>
</tr>
<tr>
<td>6272-1.1</td>
<td>To discharge treated washwater from a quarry site into an unnamed tributary of the Mimi River and dam</td>
<td>4 September 2015</td>
<td>No further reviews</td>
<td>1 June 2021</td>
</tr>
<tr>
<td>10143-1</td>
<td>To use an earth dam in an unnamed tributary of the Mimi River</td>
<td>September 2015</td>
<td>1 June 2021</td>
<td>1 June 2033</td>
</tr>
<tr>
<td>10146-1</td>
<td>To take and use water from an earth dam in an unnamed tributary of the Mimi River</td>
<td>4 September 2015</td>
<td>-</td>
<td>Superseded</td>
</tr>
<tr>
<td>10146-1.1</td>
<td>To take and use water from an earth dam in an unnamed tributary of the Mimi River</td>
<td>25 February 2020</td>
<td>1 June 2021</td>
<td>1 June 2033</td>
</tr>
</tbody>
</table>

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 management and liaison with the consent holder, site inspections, and chemical sampling when required.

### 9.4 Environmental and administrative performance summary

Five compliance monitoring inspections and two hydrology inspections were undertaken at the Uruti site within the 2018-2020 monitoring period. During an inspection in February 2019, it was noted that the discharge from the washplant into the dam was sediment laden and causing the stormwater ponds to become overburdened. Advice was given to manage this process properly to ensure compliance, and noted the stormwater ponds may no longer be big enough for the site. The inspection also showed that the planned laydown pad had been constructed adjacent to the main road, but that there were inadequate silt and sediment controls in place. This was resulting in a discharge of aggregate and sediment into the nearby tributary. It was also noted that aggregate had been stockpiled on site without a resource consent to do so. An abatement notice (EAC-22558) was issued to correct these non-compliances. An inspection in July 2019 showed that bunding on the new laydown pad was now holding up well and grass seed had been applied to minimise erosion during rainfall events. The new two pond sediment treatment system for the lay down pad appeared to be working well. A discussion was held onsite with a Council hydrologist regarding what would be required for the application for a new water take consent. Compliance with the original water take consent was not assessed as the flowmeter was not installed, pending a change to the consent. An inspection in October 2019 during wet weather found the stormwater systems working well, with only a slight discolouration in the discharge from the laydown pad (Photo 14). The washwater system was active and water was being pumped from the final settling pond to the upper ponds for further treatment. Due to the high rate of pumping, advice was given to shut off the pump to allow adequate settling time in the
upper ponds. A slip had occurred which entered the lower dam on site, instruction was given to stabilise the slip as soon as possible. During the inspection in May 2020, the site was well maintained, with no washing occurring and no current excavation. The laydown areas were being utilised for the storage and distribution of aggregate (which was permitted in the stormwater consent renewal). The access track to the upper quarry site had been stabilised and was in good condition. The slip onsite had been stabilised but material still needed to be removed. Advice was given to improve the holding capacity and treatment capabilities of the washwater treatment ponds, before washing recommenced.

The Company advised on 12 May 2020 that the required flowmeter for the updated water take consent (issued February 2020) would be installed in the coming weeks, however following a hydrology inspection on 16 July 2020, it was noted that no water is currently being taken for washing and the Company is considering outsourcing the washing offsite; as such the flowmeter has not been installed.

As per the conditions of the stormwater and washwater discharge consents, a Management Plan (special condition 3) and Contingency Plan (special condition 10) are required. An updated version of the Stormwater and Washwater Management Plan for the Lower Quarry Site is also required (special condition 2). These need to be submitted as soon as possible.

Photo 14  Uruti quarry settlement ponds for runoff from the laydown area beside Mokau Road, October 2019

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 2018-2020 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 16-20.
### Table 16  Summary of compliance with consent 5124-2 from 1 July 2018 to 13 October 2019

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

<table>
<thead>
<tr>
<th>Condition requirement</th>
<th>Means of monitoring during period under review</th>
<th>Compliance Achieved?</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Exercise consent in accordance with consent application information</td>
<td>Site inspections</td>
<td>Yes</td>
</tr>
<tr>
<td>2. Exercise consent in accordance with supplied management plans</td>
<td>Site inspections</td>
<td>Yes</td>
</tr>
<tr>
<td>3. Site management plan supplied</td>
<td>No current plan received</td>
<td>No</td>
</tr>
<tr>
<td>4. Best practicable option</td>
<td>Site inspections</td>
<td>Yes</td>
</tr>
<tr>
<td>5. Operate and progressive reinstatement of the site</td>
<td>Inspections of the excavation area</td>
<td>Yes</td>
</tr>
<tr>
<td>6. Stormwater catchment area to be no more than 2 ha at the lower site and 3 ha at the upper site</td>
<td>Site inspections, GIS measurements. Lower site was expanded, compliance given pending consent change</td>
<td>Yes</td>
</tr>
<tr>
<td>7. Concentration limits in the discharge</td>
<td>Observations of stormwater discharge</td>
<td>Yes</td>
</tr>
<tr>
<td>8. Discharge shall not give rise to effects beyond the mixing zone</td>
<td>Inspections of the stream, upstream and downstream of the discharge point</td>
<td>Yes</td>
</tr>
<tr>
<td>9. Beyond the mixing zone, depending on upstream conditions, the discharge shall not increase the suspended solids concentration beyond 10 gm(^3) or increase turbidity of the Mimi River by more than 50%</td>
<td>Inspections of the tributary and the Mimi River</td>
<td>Yes</td>
</tr>
<tr>
<td>10. Site contingency plan maintained</td>
<td>No plans on file</td>
<td>No</td>
</tr>
<tr>
<td>11. Consent holder to notify prior to operational changes</td>
<td>No notifications received</td>
<td>N/A</td>
</tr>
<tr>
<td>12. Review provision</td>
<td>Next review date June 2021</td>
<td>N/A</td>
</tr>
</tbody>
</table>

Overall assessment of consent compliance and environmental performance in respect of this consent: High Improvement Required
Table 17  Summary of compliance with consent 5124-2.1 from 14 October 2019 to 30 June 2020

<table>
<thead>
<tr>
<th>Condition requirement</th>
<th>Means of monitoring during period under review</th>
<th>Compliance Achieved?</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Exercise consent in accordance with consent application information</td>
<td>Site inspections</td>
<td>Yes</td>
</tr>
<tr>
<td>2. Exercise consent in accordance with supplied management plans</td>
<td>Site inspections. Updates required to plan</td>
<td>Yes</td>
</tr>
<tr>
<td>3. Site management plan supplied</td>
<td>No current plan received</td>
<td>No</td>
</tr>
<tr>
<td>4. Best practicable option</td>
<td>Site inspections</td>
<td>Yes</td>
</tr>
<tr>
<td>5. Operate and progressive reinstatement of the site</td>
<td>Inspections of the excavation area</td>
<td>Yes</td>
</tr>
<tr>
<td>6. Stormwater catchment area to be no more than 3 ha at the lower site and 3 ha at the upper site</td>
<td>Site inspections, GIS measurements</td>
<td>Yes</td>
</tr>
<tr>
<td>7. Concentration limits in the discharge</td>
<td>Observations of stormwater discharge</td>
<td>Yes</td>
</tr>
<tr>
<td>8. Discharge shall not give rise to effects beyond the mixing zone</td>
<td>Inspections of the stream, upstream and downstream of the discharge point</td>
<td>Yes</td>
</tr>
<tr>
<td>9. Beyond the mixing zone, depending on upstream conditions, the discharge shall not increase the suspended solids concentration beyond 10 gm$^3$ or increase turbidity of the Mimi River by more than 50%</td>
<td>Inspections of the tributary and the Mimi River</td>
<td>Yes</td>
</tr>
<tr>
<td>10. Site contingency plan maintained</td>
<td>No plans on file</td>
<td>No</td>
</tr>
<tr>
<td>11. Consent holder to notify prior to operational changes</td>
<td>No notifications received</td>
<td>N/A</td>
</tr>
<tr>
<td>12. Review provision</td>
<td>Next review date June 2021</td>
<td>N/A</td>
</tr>
</tbody>
</table>

In relation to consents 5124-2 and 5124-2.1, the Company received a high rating for environmental performance and a rating of improvement required for administrative performance in the monitoring period from 1 July 2018 to 30 June 2020. This was due to failure to provide an adequate site management plan and a contingency plan.
Table 18  Summary of compliance with consent 6272-1.1 over the 2018-2020 monitoring period

<table>
<thead>
<tr>
<th>Condition requirement</th>
<th>Means of monitoring during period under review</th>
<th>Compliance Achieved?</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Exercise consent in accordance with consent application information</td>
<td>Site inspections</td>
<td>Yes</td>
</tr>
<tr>
<td>2. Exercise consent in accordance with supplied management plan</td>
<td>Site inspections. Updates required to plan</td>
<td>Yes</td>
</tr>
<tr>
<td>3. Site management plan supplied</td>
<td>No current plan received</td>
<td>No</td>
</tr>
<tr>
<td>4. No direct discharge of untreated washwater</td>
<td>Observations of washwater discharge into the dam showed it was sediment laden</td>
<td>No</td>
</tr>
<tr>
<td>5. Consent holder to implement re-circulatory systems</td>
<td>Site inspections showed system not working effectively</td>
<td>No</td>
</tr>
<tr>
<td>6. Best practicable option</td>
<td>Site inspections showed ineffective management of stormwater and washwater</td>
<td>No</td>
</tr>
<tr>
<td>7. Concentration limits in the discharge</td>
<td>Stormwater/ washwater discharge was sediment laden</td>
<td>No</td>
</tr>
<tr>
<td>8. Discharge shall not give rise to effects beyond the mixing zone</td>
<td>Inspections of the stream, upstream and downstream of the discharge point showed reduction in visual clarity downstream</td>
<td>No</td>
</tr>
<tr>
<td>9. Beyond the mixing zone, depending on upstream conditions, the discharge shall not increase the suspended solids concentration beyond 10 gm³ or increase turbidity of the Mimi River by more than 50%</td>
<td>Inspections of the tributary and the Mimi River showed high suspended solids present</td>
<td>No</td>
</tr>
<tr>
<td>10. Site contingency plan maintained</td>
<td>No plans on file</td>
<td>No</td>
</tr>
<tr>
<td>11. Consent holder to notify prior to operational changes</td>
<td>No notifications received</td>
<td>N/A</td>
</tr>
<tr>
<td>12. Review provision</td>
<td>No further review dates</td>
<td>N/A</td>
</tr>
</tbody>
</table>

Overall assessment of consent compliance and environmental performance in respect of this consent
Overall assessment of administrative performance in respect of this consent

Improvement Required

In relation to consent 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 2018 to 30 June 2020. This was due to an incident of sediment laden washwater contaminating the dam and receiving water. In addition, an adequate site management plan and a contingency plan are yet to be submitted.
### Table 19 Summary of compliance with consent 10143-1 over the 2018-2020 monitoring period

**Purpose:** To use an earth dam in an unnamed tributary of the Mimi River

<table>
<thead>
<tr>
<th>Condition requirement</th>
<th>Means of monitoring during period under review</th>
<th>Achieved</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Exercise consent in accordance with consent application information</td>
<td>Site inspections</td>
<td>Yes</td>
</tr>
<tr>
<td>2. Dam location condition</td>
<td>Site inspections</td>
<td>Yes</td>
</tr>
<tr>
<td>3. Dam height to not exceed 3 m</td>
<td>Site inspections</td>
<td>Yes</td>
</tr>
<tr>
<td>4. Dam spillway to be no less than 2.5 m wide</td>
<td>Site inspections</td>
<td>Yes</td>
</tr>
<tr>
<td>5. The dam crest to invert of the spillway to be no less than 1.5 m high</td>
<td>Site inspections</td>
<td>Yes</td>
</tr>
<tr>
<td>6. Consent holder to notify prior to undertaking remedial works on the dam</td>
<td>No works undertaken</td>
<td>N/A</td>
</tr>
<tr>
<td>7. Spillway to be maintained at all times</td>
<td>Site inspections</td>
<td>Yes</td>
</tr>
<tr>
<td>8. Review clause.</td>
<td>Next review date 2021</td>
<td>N/A</td>
</tr>
</tbody>
</table>

Overall assessment of consent compliance and environmental performance in respect of this consent: **High**

Overall assessment of administrative performance in respect of this consent: **High**

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 2018 to 30 June 2020, as the dam was compliant with the specified consent conditions.

### Table 20 Summary of compliance with consent 10146-1.1 over the 2018-2020 monitoring period

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

<table>
<thead>
<tr>
<th>Condition requirement</th>
<th>Means of monitoring during period under review</th>
<th>Compliance Achieved</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Take shall not exceed 33.5 L/s</td>
<td>No flowmeter</td>
<td>No</td>
</tr>
<tr>
<td>2. Water to be discharged back into dam</td>
<td>Site inspections</td>
<td>Yes</td>
</tr>
<tr>
<td>3. Best practicable option</td>
<td>Site inspections</td>
<td>No</td>
</tr>
<tr>
<td>4. Recording and annual supply of abstraction data</td>
<td>No flowmeter</td>
<td>No</td>
</tr>
<tr>
<td>5. Flowmeter to be verified</td>
<td>No flowmeter</td>
<td>No</td>
</tr>
</tbody>
</table>
### Purpose: To take and use water from an earth dam in an unnamed tributary of the Mimi River

| 6. | Repairs and maintenance to be notified and carried out by qualified persons | No flowmeter | No |
| 7. | Flowmeters to be accessible at all times | No flowmeter | No |
| 8. | Intake to be screened | No pump | No |
| 9. | Review clause | Next review date 2021 | N/A |

Overall assessment of consent compliance and environmental performance in respect of this consent: Improvement Required

Overall assessment of administrative performance in respect of this consent: Improvement Required

In relation to consent 10146-1.1, the Company received a rating of improvement required for their environmental and administrative performance in the monitoring period from 1 July 2018 to 30 June 2020, as a flowmeter has not been installed and no abstraction rates have been supplied, although water was abstracted during the monitoring period. The Company have been advised they cannot resume taking until a flowmeter is installed.

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 2018 to 30 June 2020. It is acknowledged that the Council has begun to see improvements in the management and maintenance of the site.

### 9.5 Alterations and recommendations for 2020-2022

It is recommended that monitoring of Jones Quarry Uruti Stone Ltd’s Uruti site in the 2020-2022 period continues at the same level as in 2018-2020 with two inspections per year, one to occur during summer and one during wet weather. Discharge samples are to be collected if warranted.

Recommendations for improved consent ratings:

- Maintain and closely monitor stormwater and washwater 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 5124-2.1 and 6272-1.1. A template can be found at https://www.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 5124-2.1 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 10146-1.1
10.1 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 10). On-site stormwater is directed to a central collection area in the main quarry pit (Photo 15). This is then pumped to a series of three settlement ponds (Photo 16). 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). The Regional Freshwater Plan for Taranaki (TRC, 2001) identifies the Waiongana Stream and its tributaries as having high, natural ecological and amenity value. Specifically it is identified as being highly valued for angling, and highly rated for recreation including whitebaiting. Thus it is particularly important to have careful management of the quarry stormwater system.
10.2 Resource consents

<table>
<thead>
<tr>
<th>Consent number</th>
<th>Purpose</th>
<th>Granted</th>
<th>Review</th>
<th>Expires</th>
</tr>
</thead>
<tbody>
<tr>
<td>9526-1</td>
<td>To discharge stormwater from a quarry site into an unnamed tributary of the Waiongana Stream</td>
<td>25 March 2013</td>
<td>1 June 2026</td>
<td>1 June 2032</td>
</tr>
<tr>
<td>9527-1</td>
<td>To discharge cleanfill onto and into land and into water</td>
<td>25 March 2013</td>
<td>1 June 2026</td>
<td>1 June 2032</td>
</tr>
</tbody>
</table>

Copies of consents are included in Appendix I.

10.3 Compliance monitoring programme

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

10.4 Environmental and administrative performance summary

Five compliance monitoring inspections and two investigations in response to complaints were undertaken at the R J Dreaver Quarry and Cleanfill during the 2018-2020 period.

Investigation on 23 August 2018 in response to a complaint of sediment laden stormwater discharge found a slight discolouration of the receiving waters within the mixing zone. Advice was given to install a flow control valve to prevent accidental discharge of high sediment stormwater. An inspection in September 2018 found the discharge from the sediment ponds was again discoloured and the Company were waiting on installation of the flow control valve. An inspection in January 2019 showed that the valve had been installed (Photo 17) and the site was visually compliant.

Investigation on 12 June 2019 into alleged discolouration of the Waiongana Stream found that the quarry pit had recently been pumped and the sediment ponds were discoloured (Photo 18). No discharge was occurring at the time of inspection. Advice was given to look into improving efficiency of the stormwater
system. Further compliance monitoring inspections showed the stormwater system was working well and no discharge was occurring.

During an inspection of the cleanfill in March 2020 it was noted the Company were burning material, including a small amount of pipings. Advice was given that burning plastics is not best practise and should not occur in the future. In May 2020 the cleanfill contained some unauthorised material including corrugated iron and rubber wiring. These were removed immediately. All other inspections of the cleanfill found the site to be compliant with consent conditions.

Photo 17 Shut off valve at end of stormwater ponds, January 2019

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 2018-2020 monitoring year noted two instances of discolouration of the receiving waters, however the Company was deemed to be compliant with consent conditions at the time.

A tabular summary of the R J Dreaver quarry site compliance record for the period under review is set out in Tables 21-22.

Table 21  Summary of compliance with consent 9526-1 over the 2018-2020 monitoring period

<p>| Purpose: To discharge stormwater from a quarry site into an unnamed tributary of the Waiongana Stream |</p>
<table>
<thead>
<tr>
<th>Condition requirement</th>
<th>Means of monitoring during period under review</th>
<th>Compliance Achieved?</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Maximum active quarry area of 0.25 ha</td>
<td>Site inspections and GIS measurements</td>
<td>Yes</td>
</tr>
<tr>
<td>2. Runoff from exposed quarry areas to pass through treatment systems that meet the minimum capacity requirements specified in the consent</td>
<td>Site inspections</td>
<td>Yes</td>
</tr>
<tr>
<td>3. Progressive reinstatement of exposed earth area as soon as is practicable</td>
<td>Site inspections</td>
<td>Yes</td>
</tr>
<tr>
<td>4. Best practicable option to prevent or minimise adverse effects</td>
<td>Site inspections showed several instances of discharge of sediment laden stormwater</td>
<td>No</td>
</tr>
<tr>
<td>5. Contour and bund the active quarry site so that all water is directed for treatment</td>
<td>Site inspections</td>
<td>Yes</td>
</tr>
<tr>
<td>6. Suspended solid concentration limit of 50 gm(^{-3}) in the discharge</td>
<td>Inspections of discharge - No samples collected</td>
<td>Yes</td>
</tr>
<tr>
<td>7. Beyond the mixing zone of 10 m, discharge shall not affect the physical characteristics of receiving waters</td>
<td>Inspections of the river.</td>
<td>Yes</td>
</tr>
<tr>
<td>8. Lapse clause</td>
<td>Consent exercised</td>
<td>N/A</td>
</tr>
<tr>
<td>9. Review clause</td>
<td>Next review available in June 2026</td>
<td>N/A</td>
</tr>
</tbody>
</table>

Overall assessment of consent compliance and environmental performance in respect of this consent: Good
Overall assessment of administrative performance in respect of this consent: High

In relation to consent 9526-1, R J Dreaver received a good rating for their environmental performance and a high rating for their administrative performance in the monitoring period from 1 July 2018 to 30 June 2020, as there were two instances of potential detrimental effects to the receiving water, however steps were taken in a timely manner to prevent future events occurring.
Table 22  Summary of compliance with consent 9527-1 over the 2018-2020 monitoring period

<table>
<thead>
<tr>
<th>Purpose: To discharge cleanfill onto and into land and into water</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Condition requirement</strong></td>
</tr>
<tr>
<td>1. Discharge shall only occur in the area specified in the consent</td>
</tr>
<tr>
<td>2. Only clean-fill and/or inert materials may be discharged</td>
</tr>
<tr>
<td>3. Prohibited contaminants must not be discharged</td>
</tr>
<tr>
<td>4. In cases of uncertainty regarding a contaminant, written approval must be obtained from the Council prior to discharge</td>
</tr>
<tr>
<td>5. Contact between groundwater and biodegradable materials will be prevented, and a flow path for groundwater to exit the fill area provided</td>
</tr>
<tr>
<td>6. Installation and maintenance of silt retention structures at the toe of the cleanfill discharge area</td>
</tr>
<tr>
<td>7. Installation and maintenance of stormwater diversion drains to minimise stormwater in the discharge area</td>
</tr>
<tr>
<td>8. Best practicable option to prevent or minimise adverse effects</td>
</tr>
<tr>
<td>9. Site remediation requirement</td>
</tr>
<tr>
<td>10. Lapse clause</td>
</tr>
<tr>
<td>11. Review clause</td>
</tr>
</tbody>
</table>

Overall assessment of consent compliance and environmental performance in respect of this consent: **Good**

Overall assessment of administrative performance in respect of this consent: **High**

In relation to consent 9527-1, R J Dreaver received a good rating for their environmental performance and a high rating for their administrative performance in the monitoring period from 1 July 2018 to 30 June 2020, as there was one instance of unauthorised material in the cleanfill, however this was removed immediately.

Overall, for all consents held, R J Dreaver received a good rating for their environmental performance and high rating for their administrative performance for the monitoring period from 1 July 2018 to 30 June 2020. The company has installed a flow control measure to prevent future discharges of sediment laden stormwater.
10.5 Alterations and recommendations for 2020-2022

It is recommended that monitoring of RJ Dreaver's Kairau Road site in the 2020-2022 period continues at the same level as in 2018-2020 with two inspections per year, one to occur during summer and one during wet weather. Discharge samples are to be collected if warranted.
11 Taranaki Trucking Company Ltd, Wiremu Road

11.1 Introduction

Taranaki Trucking Company Ltd (the Company) operates a quarry site located in an area of farmland accessed off Wiremu Road (Figure 11). 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 11  Taranaki Trucking Company Ltd 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 (Photo 19). Water is pumped as required (maximum daily rate of 320 m³/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.
Resource consents

<table>
<thead>
<tr>
<th>Consent number</th>
<th>Purpose</th>
<th>Granted</th>
<th>Review</th>
<th>Expires</th>
</tr>
</thead>
<tbody>
<tr>
<td>2184-3</td>
<td>To discharge treated wastewater from quarry operations into an unnamed tributary of the Heimama Stream</td>
<td>30 November 2012</td>
<td>June 2024</td>
<td>1 June 2030</td>
</tr>
<tr>
<td>2293-3.1</td>
<td>To take water from an excavated pond in the vicinity of an unnamed tributary of the Heimama Stream for quarrying operations</td>
<td>30 November 2012 (Commenced 16 November 2017)</td>
<td>June 2024</td>
<td>1 June 2030</td>
</tr>
</tbody>
</table>

Copies of consents are included in Appendix I.

Compliance monitoring programme

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

Environmental and administrative performance summary

Four compliance monitoring inspections were undertaken at the Wiremu Road site within the 2018-2020 monitoring period. The site was discharging from the stormwater ponds (Photo 20) to the tributary on three occasions, and the water was clear. The washwater plant was operating on one occasion and the treatment ponds were working well (Photo 21). Overall, the site was clean and tidy and had good vegetation covering the bunding, preventing any sediment laden runoff.

A hydrology inspection was undertaken in July 2019 and showed no issues with the water take and reticulation system.
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 2018-2020 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 23-24.

Table 23  Summary of compliance with consent 2184-3 over the 2018-2020 monitoring period

<table>
<thead>
<tr>
<th>Condition requirement</th>
<th>Means of monitoring during period under review</th>
<th>Compliance Achieved?</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Best practicable option Site inspections</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>2. Reinstatement of the quarry site N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>3. Restricts the catchment area to not exceed 6.4 ha Site inspections and GIS measurements</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>4. Maintenance and operation of the settlement ponds Site inspections</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>5. Prohibits the discharge of any untreated stormwater or ground water to any surface water Site inspections and inspection of receiving water</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>6. Treated washwater to comply with chemical limits prior to discharge into receiving waters Inspection of discharge</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>7. Discharge must not have any effect after the mixing zone of 25 m Inspection of receiving water</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>8. Provide Contingency Plan to TRC Received November 2013</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>9. Notification to TRC of any changes to operation No notifications received N/A</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>10. Review of consent Optional review date June 2024</td>
<td>N/A</td>
<td></td>
</tr>
</tbody>
</table>
Table 24  Summary of compliance with consent 2293-3.1 over the 2018-2020 monitoring period

<table>
<thead>
<tr>
<th>Condition requirement</th>
<th>Means of monitoring during period under review</th>
<th>Compliance Achieved?</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Restriction of abstraction volume to 320 m³/day and 4.8 L/s</td>
<td>Site inspections</td>
<td>Yes</td>
</tr>
<tr>
<td>2. Adopt best practicable option</td>
<td>Site inspections</td>
<td>Yes</td>
</tr>
<tr>
<td>3. Review of consent</td>
<td>Optional review date June 2024</td>
<td>N/A</td>
</tr>
</tbody>
</table>

In relation to consents 2184-3 and 2293-3.1, the Company received a high rating for their environmental and administrative performance in the monitoring period from 1 July 2018 to 30 June 2020, as all quarry activities were 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 2018 to 30 June 2020.

11.1 Alterations and recommendations for 2020-2022

It is recommended that monitoring of Taranaki Trucking Company Ltd’s Wiremu Road site in the 2020-2022 period continues at the same level as in 2018-2020 with two inspections per year, one to occur during summer and one during wet weather. Discharge samples are to be collected if warranted.
12 Whitaker Civil Engineering Ltd Quarry
20th Compliance Monitoring Biennial Report 2018-2020

12.1 Introduction

Whitaker Civil Engineering Ltd (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 12).

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 bunded to direct surface runoff to two soak holes. The cleanfill 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 two pond settlement pond system before being reused. Reinstatement of excavated areas is carried out using cleanfill.

![Figure 12 Whitaker Civil Engineering Ltd quarry site](image)

12.2 Resource consents

<table>
<thead>
<tr>
<th>Consent number</th>
<th>Purpose</th>
<th>Granted</th>
<th>Review</th>
<th>Expires</th>
</tr>
</thead>
<tbody>
<tr>
<td>7236-1</td>
<td>To discharge treated stormwater from a quarry into the Waiwhakaiho River</td>
<td>14 February 2008</td>
<td>No further reviews</td>
<td>1 June 2026</td>
</tr>
<tr>
<td>0720-4</td>
<td>To discharge treated washwater from shingle washing activities onto and into land and into the Waiwhakaiho River</td>
<td>30 January 2008</td>
<td>No further reviews</td>
<td>1 June 2026</td>
</tr>
<tr>
<td>3900-2</td>
<td>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</td>
<td>30 March 2008</td>
<td>No further reviews</td>
<td>1 June 2026</td>
</tr>
</tbody>
</table>

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 management and liaison with the consent holder, site inspections, and chemical sampling when required.

12.4 Environmental and administrative performance summary

Four compliance monitoring inspections were undertaken at the Waiwhakaiho Road site during the 2018-2020 monitoring period. During each inspection, the stormwater from the main site was being contoured to the two soak holes and the washwater was on a reticulating system (Photos 22 and 23). Following rainfall, stormwater discharge from the ring drain was discharging clear. A redesign of the washwater treatment system is planned to increase the effectiveness of the ponds. During cleanfill inspections, no unauthorised material was found and the reinstatement progress looked well managed. During the May 2020 inspection, the ring drain surrounding the cleanfill had an organic sheen, but this was not making its way to the river. The Company approached the Council on numerous occasions to seek approval for disposal of certain materials at the cleanfill, which is good to see.

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 2018-2020 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 2018-2020 monitoring period

<table>
<thead>
<tr>
<th>Condition requirement</th>
<th>Means of monitoring during period under review</th>
<th>Compliance Achieved?</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Best practicable option to prevent or minimise adverse effects</td>
<td>Site inspections</td>
<td>Yes</td>
</tr>
<tr>
<td>2. No direct discharge of untreated stormwater or washwater</td>
<td>Inspections of site and river</td>
<td>Yes</td>
</tr>
<tr>
<td>3. Bund and contour the active quarry area so that all water is directed for treatment prior to discharge to receiving waters</td>
<td>Site inspections</td>
<td>Yes</td>
</tr>
</tbody>
</table>
**Purpose: To discharge treated stormwater from a quarry into the Waiwhakaiho River**

<table>
<thead>
<tr>
<th>Condition requirement</th>
<th>Means of monitoring during period under review</th>
<th>Compliance Achieved?</th>
</tr>
</thead>
<tbody>
<tr>
<td>4. Maximum stormwater catchment area of 2 ha</td>
<td>Site inspections</td>
<td>Yes</td>
</tr>
<tr>
<td>5. Establishment and maintenance of riparian planting</td>
<td>Inspections of river</td>
<td>Yes</td>
</tr>
<tr>
<td>6. Operate and maintain sediment control structures to maximise the treatment of stormwater and washwater, minimise discharge, and ensure discharge consent compliance</td>
<td>Site inspections</td>
<td>Yes</td>
</tr>
<tr>
<td>7. Treated stormwater to comply with chemical limits prior to discharge into receiving waters</td>
<td>Inspection of discharge</td>
<td>Yes</td>
</tr>
<tr>
<td>8. Beyond the mixing zone of 25 m, discharge shall not affect the physical characteristics of receiving waters of the Waiwhakaiho River</td>
<td>Inspections of the river</td>
<td>Yes</td>
</tr>
<tr>
<td>9. Beyond the mixing zone of 25 m, the discharge shall not increase turbidity of the Waiwhakaiho River by more than 50%</td>
<td>Inspections of the river</td>
<td>Yes</td>
</tr>
<tr>
<td>10. Use of treatment ponds and washwater re-circulating system to minimise the water volume treated and discharged</td>
<td>Site inspections</td>
<td>Yes</td>
</tr>
<tr>
<td>11. Lapse clause</td>
<td>Consent exercised</td>
<td>N/A</td>
</tr>
<tr>
<td>12. Review clause</td>
<td>No further review options</td>
<td>N/A</td>
</tr>
</tbody>
</table>

**Overall assessment of consent compliance and environmental performance in respect of this consent**

- High

**Overall assessment of administrative performance in respect of this consent**

- High

Table 26 Summary of compliance with consent 0720-4 over the 2018-2020 monitoring period

**Purpose: To discharge treated washwater from shingle washing activities onto and into land and into the Waiwhakaiho River**

<table>
<thead>
<tr>
<th>Condition requirement</th>
<th>Means of monitoring during period under review</th>
<th>Compliance Achieved?</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Best practicable option to prevent or minimise adverse effects</td>
<td>Site inspections</td>
<td>Yes</td>
</tr>
<tr>
<td>2. Exercise consent in accordance with consent application</td>
<td>Site inspections</td>
<td>Yes</td>
</tr>
<tr>
<td>3. No direct discharge of untreated stormwater or washwater</td>
<td>Inspections of site and river</td>
<td>Yes</td>
</tr>
</tbody>
</table>
In relation to consents 7236-1 and 0720-4, the Company received a high rating for their environmental and administrative performance in the monitoring period from 1 July 2018 to 30 June 2020, as all quarry activities were assessed as compliant with the specified consent conditions.

### Table 27  Summary of compliance with consent 3900-2 over the 2018-2020 monitoring period

<table>
<thead>
<tr>
<th>Purpose: To discharge treated washwater from shingle washing activities onto and into land and into the Waiwhakaiho River</th>
<th>Condition requirement</th>
<th>Means of monitoring during period under review</th>
<th>Compliance Achieved?</th>
</tr>
</thead>
<tbody>
<tr>
<td>4. Bund and contour the active quarry area so that all water is directed for treatment prior to discharge</td>
<td>Site inspections</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>5. Control erosion and minimise sediment contained in the stormwater</td>
<td>Inspections of site and downstream of discharge point</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>6. Progressive reinstatement of the quarry to minimise the area of exposed earth</td>
<td>Site inspections</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>7. Operate and maintain sediment control structures to maximise the treatment of stormwater and washwater, minimise discharge, and ensure discharge consent compliance</td>
<td>Site inspections</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>8. Treated stormwater to comply with chemical limits prior to discharge into receiving waters</td>
<td>Inspection of discharge, no samples taken</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>9. Beyond the mixing zone of 25 m, discharge shall not affect the physical characteristics of receiving waters of the Waiwhakaiho River</td>
<td>Inspections of the river</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>10. Beyond the mixing zone of 25 m, the discharge shall not increase turbidity of the Waiwhakaiho River by more than 50%</td>
<td>Inspections of the river, no samples taken</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>11. Lapse clause</td>
<td>Consent exercised</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>12. Review Clause</td>
<td>No further review options</td>
<td>N/A</td>
<td></td>
</tr>
</tbody>
</table>

### Overall assessment of consent compliance and environmental performance in respect of this consent
- High
- High
<table>
<thead>
<tr>
<th>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</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>3.</strong> Prohibited contaminants must not be discharged</td>
</tr>
<tr>
<td><strong>4.</strong> Water Treatment Plant (WTP) sludge sourced from New Plymouth District Council is permitted to be discharged at this site</td>
</tr>
<tr>
<td><strong>5.</strong> Notification required prior to discharge of WTP sludge</td>
</tr>
<tr>
<td><strong>6.</strong> Spreading and mixing requirements when discharging WTP sludge</td>
</tr>
<tr>
<td><strong>7.</strong> In cases of uncertainty regarding a contaminant, written approval must be obtained from the Council prior to discharge</td>
</tr>
<tr>
<td><strong>8.</strong> No discharge to occur within 20 metres of the top bank of the Waiwhakaiho River</td>
</tr>
<tr>
<td><strong>9.</strong> Discharge to land shall not result in any contaminants entering surface water</td>
</tr>
<tr>
<td><strong>10.</strong> Appropriate monitoring of dumped material to prevent unwanted contaminants in the cleanfill area</td>
</tr>
<tr>
<td><strong>11.</strong> Discharge shall not affect the physical characteristics of receiving waters of the Waiwhakaiho River</td>
</tr>
<tr>
<td><strong>12.</strong> Provision of environmental management plan detailing the reinstatement operation</td>
</tr>
<tr>
<td><strong>13.</strong> Report to be satisfactory</td>
</tr>
<tr>
<td><strong>14.</strong> Best practicable option to prevent or minimise adverse effects</td>
</tr>
<tr>
<td><strong>15.</strong> Site remediation requirement</td>
</tr>
<tr>
<td><strong>16.</strong> Lapse clause</td>
</tr>
<tr>
<td><strong>17.</strong> Review clause</td>
</tr>
<tr>
<td><strong>Overall assessment of consent compliance and environmental performance in respect of this consent</strong></td>
</tr>
<tr>
<td><strong>Overall assessment of administrative performance in respect of this consent</strong></td>
</tr>
</tbody>
</table>

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 2018 to 30 June 2020, 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 2018 to 30 June 2020.

12.5 Alterations and recommendations for 2020-2022

It is recommended that monitoring of Whitaker Civil Engineering Quarry’s Waiwhakaiho Road site in the 2020-2022 period continues at the same level as in 2018-2020 with two inspections per year, one to occur during summer and one during wet weather. Discharge samples are to be collected if warranted.
13 Wiremu Road Quarry Ltd
23rd Compliance Monitoring Biennial Report 2018-2020

13.1 Introduction

Wiremu Road Quarry Ltd’s quarry site is located on Wiremu Road between two unnamed tributaries of the Manganui Stream in the Oaonui catchment (Figure 13). During the 2017-2018 monitoring period, there was a change to the site management structure, Winstone Aggregates Ltd 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 (Photo 24). 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 13 Wiremu Road Quarry Ltd quarry site
13.2 Resource consents

<table>
<thead>
<tr>
<th>Consent number</th>
<th>Purpose</th>
<th>Granted</th>
<th>Review</th>
<th>Expires</th>
</tr>
</thead>
<tbody>
<tr>
<td>10583-1</td>
<td>To take water from two reservoirs for aggregate washing purposes</td>
<td>15 May 2018</td>
<td>June 2024</td>
<td>1 June 2036</td>
</tr>
<tr>
<td>1509-4</td>
<td>To discharge treated stormwater and washwater from quarrying operations into an unnamed tributary of the Manganui Stream</td>
<td>15 May 2018</td>
<td>June 2024</td>
<td>1 June 2036</td>
</tr>
</tbody>
</table>

Copies of consents are included in Appendix I.

13.3 Compliance monitoring programme

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

13.4 Environmental and administrative performance summary

Four compliance monitoring inspections and one hydrology inspection were undertaken at the Wiremu Road quarry during the 2018-2020 period. During inspections, stormwater was being directed in to sediment ponds and was discharging clear water. The stormwater ponds had around one metre of clear water visible at the surface (Photo 25). The wash plant was in use on three occasions and wash water was being recycled. The bunding on site was in good condition. The hydrology inspection found the site compliant with consent conditions and the data supplied was also 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 2018-2020 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 28-29.

**Table 28  Summary consent conditions for consent 10583-1 over the 2018-2020 monitoring period**

<table>
<thead>
<tr>
<th>Condition requirement</th>
<th>Means of monitoring during period under review</th>
<th>Compliance Achieved?</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Restricts abstraction volumes to 50 L/s and 12,600 m³ per 7 days</td>
<td>Site inspections and data review</td>
<td>Yes</td>
</tr>
<tr>
<td>2. Requires installation and maintenance of a water meter and dataloggers with record keeping</td>
<td>Site inspections</td>
<td>Yes</td>
</tr>
<tr>
<td>3. Water meters must be verified</td>
<td>Documentation received</td>
<td>Yes</td>
</tr>
<tr>
<td>4. Requires the repair and maintenance of equipment</td>
<td>Site inspections</td>
<td>Yes</td>
</tr>
<tr>
<td>5. Water meter must be accessible</td>
<td>Site inspections</td>
<td>Yes</td>
</tr>
<tr>
<td>6. Records of abstraction rate submitted</td>
<td>Notification received</td>
<td>Yes</td>
</tr>
<tr>
<td>7. Adopt best practicable option</td>
<td>Site inspections</td>
<td>Yes</td>
</tr>
</tbody>
</table>
### Purpose: To take water from two reservoirs for aggregate washing purposes

<table>
<thead>
<tr>
<th>8. Review of consent</th>
<th>Optional review date June 2024</th>
<th>N/A</th>
</tr>
</thead>
</table>

| Overall assessment of consent compliance and environmental performance in respect of this consent | High |
| Overall assessment of administrative performance in respect of this consent | High |

### Table 29 Summary of compliance with consent 1509-4 over the 2018-2020 monitoring period

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

<table>
<thead>
<tr>
<th>Condition requirement</th>
<th>Means of monitoring during period under review</th>
<th>Compliance Achieved?</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Best practicable option to prevent or minimise adverse effects</td>
<td>Site inspections</td>
<td>Yes</td>
</tr>
<tr>
<td>2. Quarry catchment limited to 40 ha</td>
<td>Site inspections</td>
<td>Yes</td>
</tr>
<tr>
<td>3. No direct discharge of untreated stormwater or washwater</td>
<td>Site inspections</td>
<td>Yes</td>
</tr>
<tr>
<td>4. Any significant changes must first be approved by Council</td>
<td>Site inspections</td>
<td>Yes</td>
</tr>
<tr>
<td>5. Bund and contour the washing area</td>
<td>Site inspections</td>
<td>Yes</td>
</tr>
<tr>
<td>6. Implement appropriate recirculation systems</td>
<td>Site inspections</td>
<td>Yes</td>
</tr>
<tr>
<td>7. Bund and contour the active quarry area so that stormwater is directed for treatment prior to discharge</td>
<td>Site inspections</td>
<td>Yes</td>
</tr>
<tr>
<td>8. Control erosion and minimise silt and sediment in the stormwater</td>
<td>Inspections of site and downstream of discharge point</td>
<td>Yes</td>
</tr>
<tr>
<td>9. Progressive reinstatement of the quarry to minimise stormwater catchment and exposed earth areas</td>
<td>Site inspections</td>
<td>Yes</td>
</tr>
<tr>
<td>10. Operate and maintain silt control structures to maximise the treatment of stormwater, and minimise duration and frequency of discharge</td>
<td>Site inspections</td>
<td>Yes</td>
</tr>
<tr>
<td>11. Treated stormwater to comply with chemical limits prior to discharge into receiving waters</td>
<td>Sample collection</td>
<td>Yes</td>
</tr>
<tr>
<td>12. Beyond the mixing zone of 25 m, discharge shall not affect the physical characteristics of receiving waters</td>
<td>Inspections of the river</td>
<td>Yes</td>
</tr>
<tr>
<td>13. Maintenance of site contingency plan</td>
<td>Contingency plan reviewed 13 December 2012</td>
<td>Yes</td>
</tr>
<tr>
<td>14. Review clause</td>
<td>Optional review date June 2024</td>
<td>N/A</td>
</tr>
</tbody>
</table>
Purpose: To discharge treated stormwater and washwater from quarrying operations into an unnamed tributary of the Manganui Stream

| Purpose: To discharge treated stormwater and washwater from quarrying operations into an unnamed tributary of the Manganui Stream | Overall assessment of consent compliance and environmental performance in respect of this consent | High |
| | Overall assessment of administrative performance in respect of this consent | High |

In relation to consents 10583-1 and 1509-4, the Company received a high rating for their environmental and administrative performance in the monitoring period from 1 July 2018 to 30 June 2020, as all activities were assessed as compliant with the specified consent conditions.

Overall, for all consents held, Wiremu Road Quarry Ltd’s site received a high rating for both their environmental and administrative performance for the monitoring period from 1 July 2018 to 30 June 2020.

13.5 Alterations and recommendations for 2020-2022

It is recommended that monitoring of Wiremu Road Quarry Ltd’s site in the 2020-2022 period continues at the same level as in 2018-2020 with two inspections per year, one to occur during summer and one during wet weather. Discharge samples are 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 25°C and expressed in µS/m.
- **Fresh**: Elevated flow in a stream, such as after heavy rainfall.
- **g/m³**: 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.
- **Incident Register**: 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.
- **µS/cm**: Microsiemens per centimetre.
- **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.
- **FNU**: Formazin Nephelometric Units, 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**: Resource Management Act 1991 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


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/](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.

<table>
<thead>
<tr>
<th>Constituent</th>
<th>Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH</td>
<td>Within the range 6.0 to 9.0</td>
</tr>
<tr>
<td>suspended solids</td>
<td>Concentration not greater than 100 gm⁻³</td>
</tr>
<tr>
<td>total hydrocarbons</td>
<td>Concentration not greater than 15 gm⁻³</td>
</tr>
</tbody>
</table>

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:
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

[Signature]

A D McLay
Directo - 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 Date: 16 September 2004

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

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

<table>
<thead>
<tr>
<th>Component</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH [range]</td>
<td>6-9</td>
</tr>
<tr>
<td>total recoverable hydrocarbons [infrared spectroscopic technique]</td>
<td>15 gm⁻³</td>
</tr>
<tr>
<td>Suspended solids</td>
<td>100 gm⁻³</td>
</tr>
</tbody>
</table>

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⁻³ 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.
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

______________________________
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.
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

__________________________________________

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 Group Limited
PO Box 86
Inglewood 4347

Decision Date (Change): 21 January 2020
Commencement Date (Change): 21 January 2020
(Granted Date: 2 April 2007)

Conditions of Consent

Consent Granted: To discharge cleanfill onto and into land for quarry reinstatement purposes

Expiry Date: 1 June 2026

Review Date(s): June 2020

Site Location: 1053 Upland Road, Egmont Village

Grid Reference (NZTM) 1700652E-5665325N
(approximate centre of quarry site)

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. The exercise of this consent shall be carried out in general accordance with the information provided in support of the original application for this consent and with any subsequent application to change consent conditions. Where there is conflict between applications the later application shall prevail, and where there is conflict between an application and consent conditions the conditions 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 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. Notwithstanding the other conditions of this consent it also authorises the discharge of residual sludge (Water Treatment Plant (WTP) sludge) from New Plymouth District Council’s drinking water treatment plant.

5. Any WTP sludge discharged shall be mixed with soil/overburden from the site and spread as thinly as practicable over an area that has already been largely reinstated or has never been quarried. It shall not be placed in general cleanfill areas/pits.
6. At least seven days prior to any discharge of WTP sludge, the consent holder shall notify the Taranaki Regional Council and supply the following information:
   (a) the volume of the WTP sludge to be discharged;
   (b) compositional analysis of a representative sample of the WTP sludge for BOD, aluminium, manganese, lead, zinc, copper, pH, cadmium and total solids;
   (c) the expected start and end date of the discharging;
   (d) the specific location within the site of the intended discharge; and
   (e) an updated Quarry Management Plan addressing the management and disposal of WTP sludge on the site (any of the information required by (a) to (d) above could be provided within the updated management plan).

   Unless the Chief Executive, Taranaki Regional Council advises that an alternative method is required the information required by this condition shall be provided by completing and submitting the ‘Notification of work’ form on the Taranaki Regional Council’s website (http://bit.ly/TRCWorkNotificationForm).

7. No WTP sludge shall be placed closer than 10 metres from the top of the bank of any tributary of the Mangaoraka Stream, and no discharge shall result in any contaminant entering surface water.

8. Silt retention structures shall be installed and maintained to the satisfaction of the Chief Executive, Taranaki Regional Council.

9. 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.

10. 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.

11. 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.

12. 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.
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.

Signed at Stratford on 21 January 2020

For and on behalf of
Taranaki Regional Council

__________________________________________
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: GR & LJ Jones
Consent Granted: 29 Mahoetahi Road
Date: 25 March 2004
R D 42
WAITARA

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

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 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.
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:

<table>
<thead>
<tr>
<th>Component</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH (range)</td>
<td>6-9</td>
</tr>
<tr>
<td>total recoverable hydrocarbons [infrared spectroscopic technique]</td>
<td>15 gm⁻³</td>
</tr>
<tr>
<td>Suspended solids</td>
<td>100 gm⁻³</td>
</tr>
</tbody>
</table>

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

_______________________________
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

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 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

__________________________________________
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 Matanehunehu 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.
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.

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

____________________
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: Gibson Family Trust
(Trustees: Stephen Andrew & Amara Jane Gibson)
PO Box 35
Okato 4348

Decision Date  10 July 2020
Commencement Date  10 July 2020

Conditions of Consent

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

Expiry Date:  1 June 2037
Review Date(s):  June 2025, June 2031
Site Location:  707 Puniho Road, Okato
Grid Reference (NZTM)  1677108E-5656011N
Catchment:  Matanehunehu
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. Unless alternative sediment control measures that achieve an equivalent standard are agreed to by the Chief Executive of the Taranaki Regional Council, all run off from any area of exposed soil shall pass through sediment retention ponds as described below.
   a) On sites with slopes less than 10 percent and less than 200 metres in length a sediment retention pond with a minimum volume of 2 per cent of the contributing catchment (200 m$^3$ capacity for each ha of contributing catchment).
   b) On sites with slopes greater than 10 per cent and/or more than 200 metres in length a sediment retention pond with a minimum volume of 3 per cent of the contributing catchment (300 m$^3$ capacity for each ha of contributing catchment).

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. Any discharge from the site that reaches water shall have a suspended solids concentration no greater than 100 gm$^{-3}$.

6. 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 Matanehunehu 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.
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 work, and the intended commencement date. Unless the Chief Executive advises that an alternative method is required this notice shall be served by completing and submitting the ‘Notification of work’ form on the Council’s website (http://bit.ly/TRCWorkNotificationForm).

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 2025 and/or June 2031, 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 10 July 2020

For and on behalf of
Taranaki Regional Council

__________________________________________
A D McIay
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: 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 Pungaereereere 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
Consent 6585-1

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 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.
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

__________________________________________
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: Goodin AG Limited
PO Box 7
Okato 4348

Decision Date 14 February 2020
Commencement Date 14 February 2020

Conditions of Consent

Consent Granted: To discharge stormwater from a quarry site onto and into land in the vicinity of an unnamed tributary of the Pungaereere Stream

Expiry Date: 1 June 2037
Review Date(s): June 2025, June 2031
Site Location: 477 Kahui Road, Rahotu
Grid Reference (NZTM) 1673641E-5646957N
Catchment: Pungaereere
Consent 6585-2.0

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 an active quarry site not exceeding 1.5 ha.

2. Unless alternative sediment control measures that achieve an equivalent standard are agreed to by the Chief Executive of the Taranaki Regional Council, all run off from any area of exposed soil shall pass through sediment retention ponds as described below.

   a) On sites with slopes less than 10 percent and less than 200 metres in length a sediment retention pond with a minimum volume of 2 per cent of the contributing catchment (200 m³ capacity for each ha of contributing catchment).

   b) On sites with slopes greater than 10 per cent and/or more than 200 metres in length a sediment retention pond with a minimum volume of 3 per cent of the contributing catchment (300 m³ capacity for each ha of contributing catchment).

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. 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 treatment system.

6. 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.
7. 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 2025 and/or June 2031, 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 2020

For and on behalf of
Taranaki Regional Council

__________________________________________
A D Mc Lay
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.

Page 1 of 3
Consent 3888-4.0

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.

<table>
<thead>
<tr>
<th>Constituent</th>
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<tbody>
<tr>
<td>pH</td>
<td>Within the range 6.0 to 9.0</td>
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<tr>
<td>suspended solids</td>
<td>Concentration not greater than 100 gm⁻³</td>
</tr>
<tr>
<td>total hydrocarbons</td>
<td>Concentration not greater than 15 gm⁻³</td>
</tr>
</tbody>
</table>

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 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

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.

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</tr>
<tr>
<td>total hydrocarbons</td>
<td>Concentration not greater than 15 gm⁻³</td>
</tr>
</tbody>
</table>

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 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

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.
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

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: 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.
Consent 5124-2.0

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.

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.
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.

<table>
<thead>
<tr>
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<tr>
<td>pH</td>
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</tr>
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<td>total recoverable hydrocarbons</td>
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</tr>
</tbody>
</table>

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.
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.

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 20 March 2019

For and on behalf of
Taranaki Regional Council

__________________________________________
A D McLay
Director - Resource Management
Appendix 1
Proposed Stormwater Management Plan – Upper Quarry Site

- 30 m x 10 m x 3 m deep Stormwater detention pond
- Stormwater direction of flow
- Perimeter drains and earth bunds
- Stormwater outlet through silt fence
Appendix 2:
Proposed Stormwater and Washwater Management Plan
Lower Quarry Site

Stormwater detention ponds:
1. 10 m x 10 m x 2.5 m deep
2. 45 m x 15 m x 2.5 m deep
3. 2 m x 2 m x 1 m deep

Existing culvert
Stormwater outlet through silt fence
Perimeter drains and earth bunds
Planted wetland
30 m x 10 m x 1.5 m deep
Existing Sand trap

Stormwater direction of flow:
Mimi River tributary
Discharge points:
A, B: Stormwater & Washwater
C: Stormwater
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 (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, Uruiti

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.
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.

<table>
<thead>
<tr>
<th>Constituent</th>
<th>Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH</td>
<td>Within the range 6.0 to 9.0</td>
</tr>
<tr>
<td>suspended solids</td>
<td>Concentration not greater than 100 gm⁻³</td>
</tr>
<tr>
<td>total recoverable hydrocarbons</td>
<td>Concentration not greater than 15 gm⁻³</td>
</tr>
</tbody>
</table>

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.
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.

Transferred at Stratford on 20 March 2019

For and on behalf of
Taranaki Regional Council

__________________________________________
A D McLay
Director - Resource Management
Attachment 1: Proposed Stormwater and Washwater Management Plan
Lower Quarry Site

- Stormwater detention ponds
  - 10 m x 10 m x 2.5 m deep
  - 45 m x 15 m x 2.5 m deep
  - 2 m x 2 m x 1 m deep

- Perimeter drains and earth bunds

- Stormwater outlet through silt fence

- Planted wetland
  - 30 m x 10 m x 1.5 m deep

- Existing sand trap

- Mimi River tributary

- Discharge points
  - A, B: Stormwater & Washwater
  - C: Stormwater
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 wish 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.

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

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 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, Uruiti
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 20 March 2019

For and on behalf of
Taranaki Regional Council

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 18 February 2019
Commencement Date 18 February 2019

Conditions of Consent

Consent Granted: To discharge stormwater contaminated with sediment onto
and into land from a quarry site

Expiry Date: 1 June 2037
Review Date(s): June 2025, June 2031
Site Location: 78 Kekeua Road, Warea
Grid Reference (NZTM) 1671853E-5653701N
Catchment: Whanganui
Tributary: Mangaone
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 active area of the quarry shall not exceed 0.46 hectares.

2. Earthworks shall be undertaken in general accordance with the ‘Waikato Regional Council’s Erosion and Sediment Control Guidelines for Soil Disturbing Activities’. If there is any conflict between this document and the conditions of this consent, the conditions of this consent shall prevail.

3. Unless alternative sediment control measures that achieve an equivalent standard are agreed to by the Chief Executive of the Taranaki Regional Council, all run off from any area of exposed soil shall pass through sediment retention ponds as described below.
   a) On sites with slopes less than 10 percent and less than 200 metres in length a sediment retention pond with a minimum volume of 2 per cent of the contributing catchment (200 m³ capacity for each ha of contributing catchment).
   b) On sites with slopes greater than 10 per cent and/or more than 200 metres in length a sediment retention pond with a minimum volume of 3 per cent of the contributing catchment (300 m³ capacity for each ha of contributing catchment).

4. All quarried areas shall be stabilised vegetatively or otherwise as soon as is practicable immediately following completion of soil disturbance activities.

5. At least 7 working days prior to the commencement of works the consent holder shall notify the Taranaki Regional Council of the proposed start date for the work. Notification shall include the consent number and a brief description of the activity consented and shall be emailed to worknotification@trc.govt.nz.

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 actual or likely adverse effect on the environment associated with the discharge of contaminants from the site.

7. This consent shall lapse on 31 March 2024, 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 2025 and/or June 2031, 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 February 2019

For and on behalf of
Taranaki Regional Council

______________________________
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
Consent 9526-1

**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.
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

__________________________________________
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.
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

__________________________________________
Director-Resource Management
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
Consent 2293-3.1

**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

__________________________________________
A D Mc Lay
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
Consent 2184-3

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.

<table>
<thead>
<tr>
<th>Constituent</th>
<th>Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH</td>
<td>Within the range 6.0 to 9.0</td>
</tr>
<tr>
<td>suspended solids</td>
<td>Concentration not greater than 100 gm⁻³</td>
</tr>
<tr>
<td>total recoverable oil and grease</td>
<td>Concentration not greater than 15 gm⁻³</td>
</tr>
</tbody>
</table>

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.
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.

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

__________________________________________
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 Date: 14 February 2008

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

For General, Standard and Special conditions pertaining to this consent please see reverse side of this document
Consent 7236-1

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 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.

<table>
<thead>
<tr>
<th>Constituent</th>
<th>Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH</td>
<td>Within the range 6.0 to 9.0</td>
</tr>
<tr>
<td>Suspended Solids</td>
<td>Concentration not greater than 100 gm⁻³</td>
</tr>
<tr>
<td>Total Recoverable Hydrocarbons</td>
<td>Concentration not greater than 15 gm⁻³ [as determined by infrared spectroscopic technique]</td>
</tr>
</tbody>
</table>
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

__________________________________________
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 Date: 30 January 2008

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

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

<table>
<thead>
<tr>
<th>Constituent</th>
<th>Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH</td>
<td>Within the range 6.0 to 9.0</td>
</tr>
<tr>
<td>suspended solids</td>
<td>Concentration not greater than 100 gm⁻³</td>
</tr>
<tr>
<td>total recoverable hydrocarbons</td>
<td>Concentration not greater than 15 gm⁻³ [as determined by infrared spectroscopic technique]</td>
</tr>
</tbody>
</table>

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:

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.

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

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

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

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

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

<table>
<thead>
<tr>
<th>Constituent</th>
<th>Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH</td>
<td>Within the range 6.0 to 9.0</td>
</tr>
<tr>
<td>suspended solids</td>
<td>Concentration not greater than 100 gm⁻³</td>
</tr>
</tbody>
</table>

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:
   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.

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

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
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 ± 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 ± 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.
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

__________________________________________
A D McLay
Director - Resource Management