

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

Technical Report 2020-72

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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

- resource consents
- and biomonitoring reports

1.1.3 The Resource Management Act 1991 and monitoring

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

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

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

1.1.4 Evaluation of environmental performance and administrative compliance

Besides discussing the various details of the performance and extent of compliance by the consent 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.

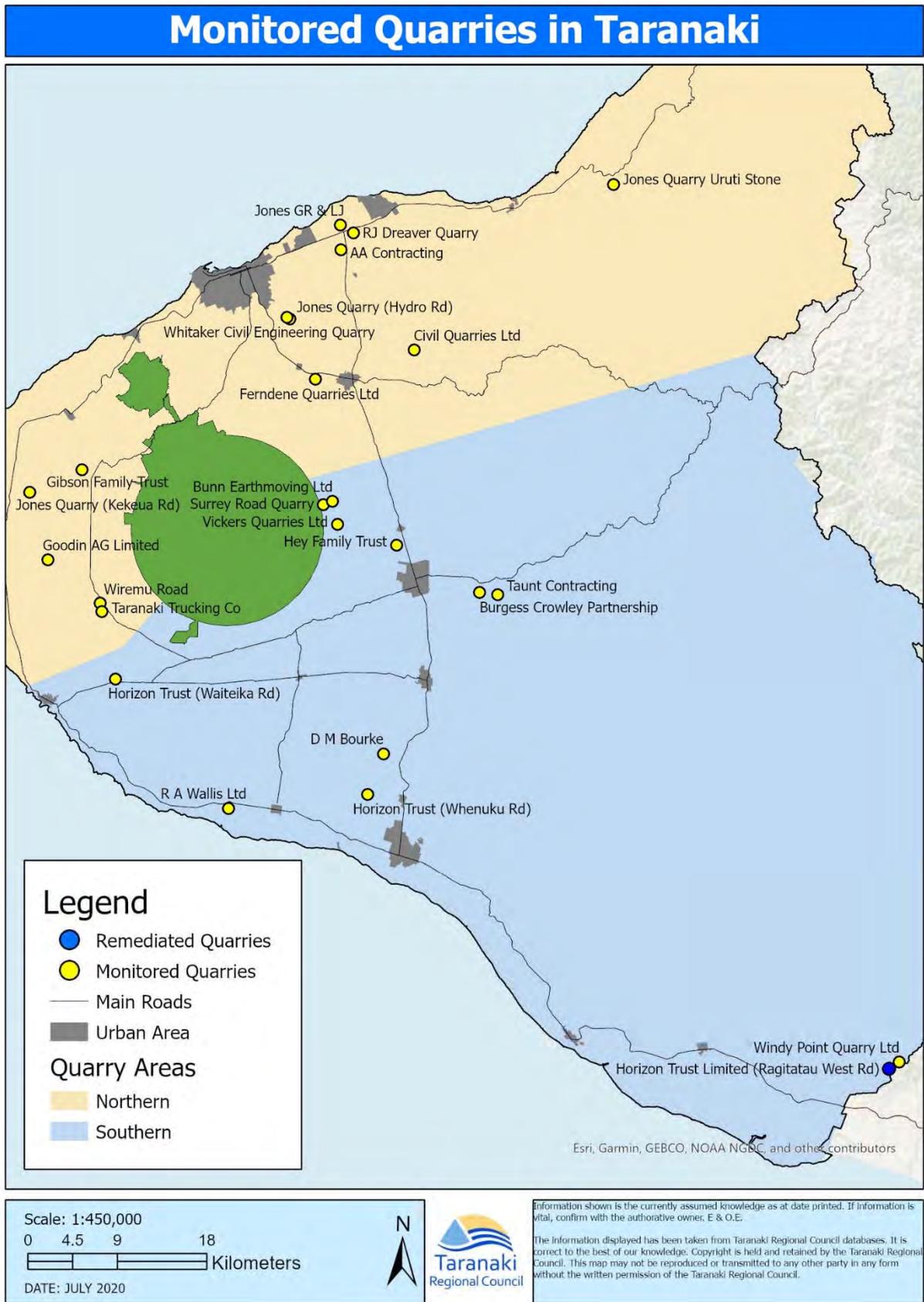


Figure 1 Map showing monitored quarrying locations in Taranaki

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

Consent holder	Consent number	Consent type	Next review	Location
AA Contracting	5651-2	D _s , D _w	June 2026	Te Arei Road, Lepperton
Ferndene Quarries Ltd	6453-1	D _s	<i>Expired June 2020 – Section 124 Protection</i>	Upland Road, Tarurutangi
	7089-1	D _c	<i>Superseded</i>	
	7089-1.1	D _c	June 2026	
GR and LJ Jones	6274-1	D _s , D _w	<i>Expired June 2020 – Section 124 Protection</i>	Mahoetahi Road, Waitara
	7439-1	D _c	June 2026	
Gibson Family Trust, Puniho Road	9547-1	D _s	<i>Expired 1 June 2020</i>	Puniho Road, Okato
	9547-2 Granted 10/7/2020		June 2025	
Goodin AG Ltd	6585-2	D _s	June 2025	Kahui Road, Rahotu
Jones Quarry Ltd	3888-4	D _s	June 2026	Hydro Road, New Plymouth
	3912-4	D _w	June 2026	
	4912-2	D _c	Expires 1 June 2026	
Jones Quarry Uruti Stone Ltd	5124-2	D _s	<i>Superseded</i>	Main North Road, Uruti
	5124-2.1		June 2021	
	6272-1.1	D _w	Expires 1 June 2021	
	10143-1	SM	June 2021	
	10146-1	T	<i>Superseded</i>	
	10146-1.1		June 2021	

Consent holder	Consent number	Consent type	Next review	Location
Jones Quarry Ltd	10715-1	D _s	Lapse 31 March 2024, Expires 1 June 2037	Kekeua Road, Warea
RJ Dreaver	9526-1	D _s	June 2026	Kairau Road, Brixton
	9527-1	D _c	June 2026	
Taranaki Trucking Company Ltd	2293-3.1	T	June 2024	Wiremu Road, Opunake
	2184-3	D _w	June 2024	
Whitaker Civil Engineering Ltd	7236-1	D _s	Expires June 2026	Waiwhakaiho Road, New Plymouth
	0720-4	D _w	Expires June 2026	
	3900-2	D _c	Expires June 2026	
Winstone Aggregates Ltd	1509-4	D _s , D _w	June 2024	Wiremu Road, Opunake
	10583-1	T	June 2024	

KEY: D_s discharge treated stormwater D_w discharge treated wash/wastewater
D_c 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

Consent holder	Consent number	Consent type	Next review	Location
Civil Quarries Ltd	1113-5.1	D _s	June 2021	Everett Road, Inglewood
	10247-1.1	T	June 2021	

KEY: D_s 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

Consent holder	Consent number	Consent type	Next review	Location
Bunn Earthmoving Ltd	10527-1.0	D _s	1 June 2021	Surrey Road Tariki
Burgess Crowley Partnership	6505-1	D _c	Expires 1 June 2022	East Road, Stratford

Consent holder	Consent number	Consent type	Next review	Location
	7963-1	D _s	1 June 2022	
	7964-1.1	IGT	1 June 2022	
CD Boyd Surrey Road Quarry	6569-1	D _s , D _w	Expires 1 June 2021	Norfolk Road, Inglewood
	9906.1.0	SM	Expires 1 June 2021	
D M Bourke	5001-2	D _s	1 June 2023	Onewhaia Road, Te Roti
	9933-1	D _G	1 June 2023	
	9934-1	IGT	1 June 2023	
Hey Family Trust Ltd	7123-1	D _s	Expires 1 June 2022	Monmouth Road, Stratford
Horizon Trust Management Ltd, Rangitatau West Road	9464-1	D _s	1 June 2022	Rangitatau West Road, Maxwell
Horizon Trust Management Ltd, Waiteika Road	7519-1	D _s , D _w	Expires 1 June 2024	Waiteika Road, Opunake
	7522-1	C	Expires 1 June 2024	
Horizon Trust Management Ltd, Whenuku Road	7845-1.2	D _s , D _G	1 June 2022	Whenuku Road, Hawera
	10017-1	SM	1 June 2023	
	10018-1	IGT	1 June 2023	
Ravensdown Windy Point Quarry Ltd	9570-1	D _s	1 June 2022	Rangitatau West Road, Waitotara
	9972-1.2	D _C	1 June 2022	
R A Wallis Ltd	9600-1	D _s	1 June 2023	Lower Glenn Road, Manaia
	10351-1.0	SM	1 June 2023	

Consent holder	Consent number	Consent type	Next Review	Location
Taunt Contracting	5002-2	D _s , D _w	1 June 2022	Bird Rd, Stratford
Vickers Quarries Ltd	4905-3.1	D _s , D _G , D _w	1 June 2022	York Road, Midhirst
	5218-2.1	D _s , D _G	1 June 2022	
	7360-1	SM	1 June 2021	
	9850-1	IGT	1 June 2022	
	9812-1.1	SM	1 June 2022	

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

Consent number	Purpose	Granted	Review	Expires
5651-2	To discharge treated stormwater and washwater from quarry operations into land and into the Mangaoraka Stream	18 May 2015	1 June 2026	1 June 2032

Copies of consents are included in Appendix I.

2.3 Compliance monitoring programme

The Council's monitoring programme for the Company includes three components, namely: programme 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

Purpose: To discharge treated stormwater and washwater from quarry operations into land and into the Mangaoraka Stream.		
Condition requirement	Means of monitoring during period under review	Compliance Achieved?
1. No direct discharge of untreated stormwater	Inspections of site and river	Yes
2. All stormwater is directed for treatment	Site inspections	Yes

Purpose: To discharge treated stormwater and washwater from quarry operations into land and into the Mangaoraka Stream.		
3. Discharge outlet to prevent backflow from the stream into the settling pond	Site inspections	Yes
4. Operate and maintain settling pond system to ensure consent conditions are met and discharge duration and frequency is minimised	Consultation and inspection to ensure effective operations system	Yes
5. Treatment system bunded to prevent inflow of surrounding stormwater	Site inspections	Yes
6. Progressive reinstatement of the quarry to minimise the area of exposed earth and stormwater catchment	Site inspections	Yes
7. Best practicable option to prevent or minimise adverse effects	Site inspections	Yes
8. Treated stormwater to comply with chemical limits prior to discharge into receiving waters	Inspection of discharge and receiving water	Yes
9. Beyond the mixing zone, discharge shall not affect the physical characteristics of receiving waters of the Mangaoraka Stream	Inspections of the river	Yes
10. Beyond the mixing zone, the discharge shall not breach turbidity limits.	Inspections of the river	Yes
11. Maintain and review contingency plan	Contingency plan reviewed June 2016	Yes
12. Notification prior to any changes in processes or operations at the site	Receipt of notification	N/A
13. Review clause	Option to review in June 2026	N/A
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

Consent number	Purpose	Granted	Lapse	Expires
10715-1.0	To discharge stormwater contaminated with sediment onto and into land from a quarry site	18 February 2019	31 March 2024	1 June 2037

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

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



Figure 4 Ferndene Quarries Ltd site location map, showing unnamed tributary



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

Consent number	Purpose	Granted	Review	Expires
6453-1	To discharge treated stormwater from quarrying and rock crushing operations onto and into land and into an unnamed tributary of the Mangaoraka Stream in the Waiongana catchment	16 September 2004	No further reviews	1 June 2020 - Section 124 Protection
7089-1	To discharge cleanfill onto and into land for quarry reinstatement purposes	2 April 2007	June 2020	Superseded
7089-1.1	To discharge cleanfill onto and into land for quarry reinstatement purposes	21 January 2020	No reviews	1 June 2026

Copies of consents are included in Appendix I.

4.3 Compliance monitoring programme

The Council’s monitoring programme for the Company includes three components, namely: programme 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 Ferndene Quarries Ltd cleanfill dumping of unauthorised material in May 2019 (left) and January 2020 (right)

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

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		
Condition requirement	Means of monitoring during period under review	Compliance Achieved?
1. Best practicable option	Site inspections	Yes
2. Exercise of consent in accordance with application	Site inspections	Yes
3. No direct discharge of untreated stormwater	Inspections of treatment system and discharge point	Yes
4. Bunding of site to contain contaminated waters	Site inspections	Yes
5. Take measures to prevent erosion of exposed areas	Site inspections	Yes
6. Progressive reinstatement of quarry	Site inspections	Yes
7. Maximum stormwater catchment	Site inspections	Yes

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		
8. Management of the silt control structures	Inspections of the silt control structures	Yes
9. Concentration limits	Inspections of discharge point and receiving water	Yes
10. No effects on receiving water below mixing zone	Inspections of receiving water	Yes
11. Limits on turbidity & suspended solids	Inspections of discharge point and receiving water	Yes
12. Provision of site plan, stormwater management plan and contingency plan	Reviewed plan received January 2020	Yes
13. Reinstatement of quarry	Quarry still operating	N/A
14. Consent lapse	N/A	N/A
15. Review clause	Consent has expired - Section 124 Protection	N/A
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 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		
Condition requirement	Means of monitoring during period under review	Compliance Achieved?
1. Exercise of consent to be in accordance with information submitted	Site inspections	Yes
2. Materials permitted for discharge must be inert	Site inspections – Some tanalised timber and household rubbish present	No
3. Materials not permitted to be disposed of to cleanfill	Site inspections – Some tanalised timber and household rubbish present	No
4. No contaminants entering water	Inspections of site	Yes
5. Maintain silt retention structures	Inspections of site	Yes
6. Install and maintain stormwater diversion drains	Inspections of site	Yes
7. Cleanfill management plan	Reviewed plan received January 2020	Yes

Purpose: To discharge cleanfill onto and into land for quarry reinstatement purposes		
8. Adopt best practicable option	Inspections of site	Yes
9. Stabilisation and revegetation of site	Cleanfill still in operation	N/A
10. Review	Consent has been superseded	N/A
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 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

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

Purpose: To discharge cleanfill onto and into land for quarry reinstatement purposes		
13. Review clause	No further review options	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		High

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.



Figure 5 GR and LJ Jones Quarry site location map



Photo 7 GR and LJ Jones quarry in Waitara

5.2 Resource consents

Consent number	Purpose	Granted	Review	Expires
6274-1	To discharge treated stormwater and treated washwater from quarrying and rock crushing operations onto and into land and into an unnamed tributary of the Mangaoraka Stream in the Waiongana catchment	25 March 2004	No further reviews	1 June 2020 – Section 124 Protection
7439-1	To discharge cleanfill onto and into land in the vicinity of the Mangaoraka Stream	27 January 2009	No further reviews	1 June 2026

Copies of consents are included in Appendix I.

5.3 Compliance monitoring programme

The Council's monitoring programme for the consent holder's quarry includes three components, namely: programme 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

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

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		
12. Discharge must not increase turbidity by more than 50%	Inspections of the tributary and the Mangaoraka Stream	Yes
13. Site plan, stormwater management plan, and contingency plan supplied	Plans received 2004, no changes	Yes
14. Reinstatement on cessation of quarrying	Quarry still operating	N/A
15. Consent lapse	N/A	N/A
16. Review provision	No further review dates. Consent has expired – Section 124 protection	N/A
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?
1. Disposal only to occur in pit area specified in consent	Inspections of cleanfill site	Yes
2. Materials permitted to be disposed of	Inspections of cleanfill site – rebar and greenwaste present. Warnings given	No
3. Materials not permitted to be disposed of	Inspections of cleanfill site – rebar and greenwaste present. Warnings given	No
4. Written approval required if unsure material is acceptable or not	Verbal approval given to hold greenwaste on site – but not in cleanfill. Conversation documented by Council	Yes
5. Adopt best practicable option to prevent or minimise adverse effects	Inspections of cleanfill site	Yes
6. Stabilisation and revegetation of site on completion of cleanfill operation	N/A – cleanfill still operating	N/A
7. Consent lapse	N/A	N/A
8. Review of consent	No further review options	N/A
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 Gibson Family Trust Puniho Road quarry site

6.2 Resource consents

Consent number	Purpose	Granted	Review	Expired
9547-1	To discharge stormwater from a quarry site into an unnamed tributary of the Matanehunehu Stream	16 April 2013	No further reviews	1 June 2020

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

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

Purpose: To discharge stormwater from a quarry site into an unnamed tributary of the Matanehunehu Stream		
2. Run off from active quarry areas shall pass through settlement ponds or sediment traps	Site inspections	Yes
3. Best practicable option to prevent or minimise adverse effects	Site inspections	Yes
4. Contour the active quarry site so that all water is directed for treatment	Site inspections	Yes
5. Beyond the mixing zone, discharge shall not affect the physical characteristics of receiving waters	Inspections of the river	Yes
6. Implement and maintain a stormwater management plan	Received 22 March 2013, no changes	Yes
7. Notification prior to any changes in processes or operations at the site	Receipt of notification	N/A
8. Lapse clause	Consent has been exercised	N/A
9. Review clause	No further review options	N/A
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 Rahoitu (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

7.2 Resource consents

Consent number	Purpose	Granted	Review	Expires
6585-2	To discharge stormwater from a quarry site onto and into land in the vicinity of an unnamed tributary of the Pungaereere Stream	14 February 2020	1 June 2025	1 June 2037

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 Goodin AG Ltd quarry site, February 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 12.

Table 12 Summary of compliance with consent 6585-2 over the 2018-2020 monitoring period

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		
Condition requirement	Means of monitoring during period under review	Compliance Achieved?
1. Active site shall not exceed 1.5 ha	Site inspections, GIS measurements	Yes
2. Condition on size of sediment retention ponds	Site inspections	Yes

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		
3. Best practicable option to prevent or minimise adverse effects	Site inspections	Yes
4. Contouring and bunding on unvegetated areas	Site inspections	Yes
5. Stormwater Management Plan	Plan has not been received – please submit.	No
6. Notify Council of any changes to processes or operations onsite	Receipt of notification, site inspections	N/A
7. Review clause	Review option 1 June 2025	N/A
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.

8 Jones Quarry Ltd – Hydro Road 24th Compliance Monitoring Biennial Report 2018-2020

8.1 Introduction

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 banded 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



Photo 10 Hydro Road quarry construction of new settlement ponds, July 2019

8.2 Resource consents

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

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 Selley's 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.



Photo 11 Unauthorised material in cleanfill including tin, wire, painted timber and Selley's packaging, June 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 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

Purpose: To discharge treated stormwater from a quarry site onto and into land and into the Waiwhakaiho River		
Condition requirement	Means of monitoring during period under review	Compliance Achieved?
1. No direct discharge of untreated stormwater	Inspections of site and river	Yes
2. All stormwater directed through settling ponds prior to discharge	Site inspections	Yes
3. Discharge outlet to prevent backflow from the river into the settling pond	Site inspections	Yes
4. Operate and maintain settling pond system to ensure consent conditions are met and discharge duration and frequency is minimised	Consultation and inspection to ensure effective operations system	Yes
5. Treatment system bunded to prevent inflow of surrounding stormwater	Site inspections – some issues with bunding	Yes
6. Progressive reinstatement of the quarry to minimise the area of exposed earth and stormwater catchment area	Site inspections	Yes
7. Best practicable option to prevent or minimise adverse effects	Site inspections – ensure spills are cleaned up immediately	Yes
8. Concentration limits for discharge prior to entering receiving waters	Discharge samples. Incident samples taken	Yes
9. Beyond the mixing zone, discharge shall not affect the physical characteristics of receiving waters	Inspections of the river	Yes
10. Beyond the mixing zone, 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%	Inspections of the river. Incident samples taken	Yes
11. Maintain and regularly review a contingency plan	Review received September 2018	Yes
12. Notification prior to any changes in processes or operations at the site	Notification given of changes to settlement ponds and discharge point	Yes
13. Review clause	Next review available in June 2026	N/A
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 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

Purpose: To discharge treated washwater from shingle washing operations onto and into land and into the Waiwhakaiho River		
Condition requirement	Means of monitoring during period under review	Compliance Achieved?
1. No direct discharge of untreated washwater	Inspections of site and river	Yes
2. All washwater directed through settling ponds prior to discharge	Site inspections	Yes
3. Discharge outlet to prevent backflow from the river into the settling pond	Site inspections	Yes
4. Operate and maintain settling pond system to ensure consent conditions are met and discharge duration and frequency is minimised	Consultation and inspection to ensure effective operations system	Yes
5. Treatment system bunded to prevent inflow of surrounding stormwater	Site inspections	Yes
6. Progressive reinstatement of the quarry to minimise the area of exposed earth and stormwater catchment area	Site inspections	Yes
7. Best practicable option to prevent or minimise adverse effects	Site inspections	Yes
8. Concentration limits for discharge prior to entering receiving waters	Discharge samples. Incident samples taken	Yes
9. Beyond the mixing zone, discharge shall not affect the physical characteristics of receiving waters	Inspections of the river	Yes
10. Beyond the mixing zone, 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%	Inspections of the river, incident samples taken	Yes
11. Maintain and regularly review a contingency plan	Review received September 2018	Yes
12. Notification prior to any changes in processes or operations at the site	Notification given of changes to settlement ponds and discharge point	Yes
13. Review clause	Next review available in June 2026	N/A
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 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		
Condition requirement	Means of monitoring during period under review	Compliance Achieved?
1. Consent shall be exercised in accordance with application	Site inspections	Yes
2. Only clean-fill and/or inert materials may be discharged	Site inspections. Unauthorised material present	No
3. Prohibited contaminants must not be discharged	Site inspections. Unauthorised material present	No
4. In cases of uncertainty regarding a contaminant, written approval must be obtained from the Council prior to discharge	Approval obtained	Yes
5. No clean-fill to be discharged within 20 m of the bank of the Waiwhakaiho River	Site inspections	Yes
6. Discharge to land shall not result in any clean-fill material entering surface water	Site inspections	Yes
7. Dumped material to be monitored to ensure compliance	Site inspections. Unauthorised material present	No
8. After hours site access restriction	Site inspections	Yes
9. Provision of management plan	Management plan received 8 February 2008 – please review and provide updates	Yes
10. Site remediation requirement	Site inspection	N/A
11. Consent holder to educate other people discharging to site to ensure consent compliance	Site inspections. Unauthorised material present	No
12. Lapse clause	Consent exercised	N/A
13. Review clause	No further review options	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		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.

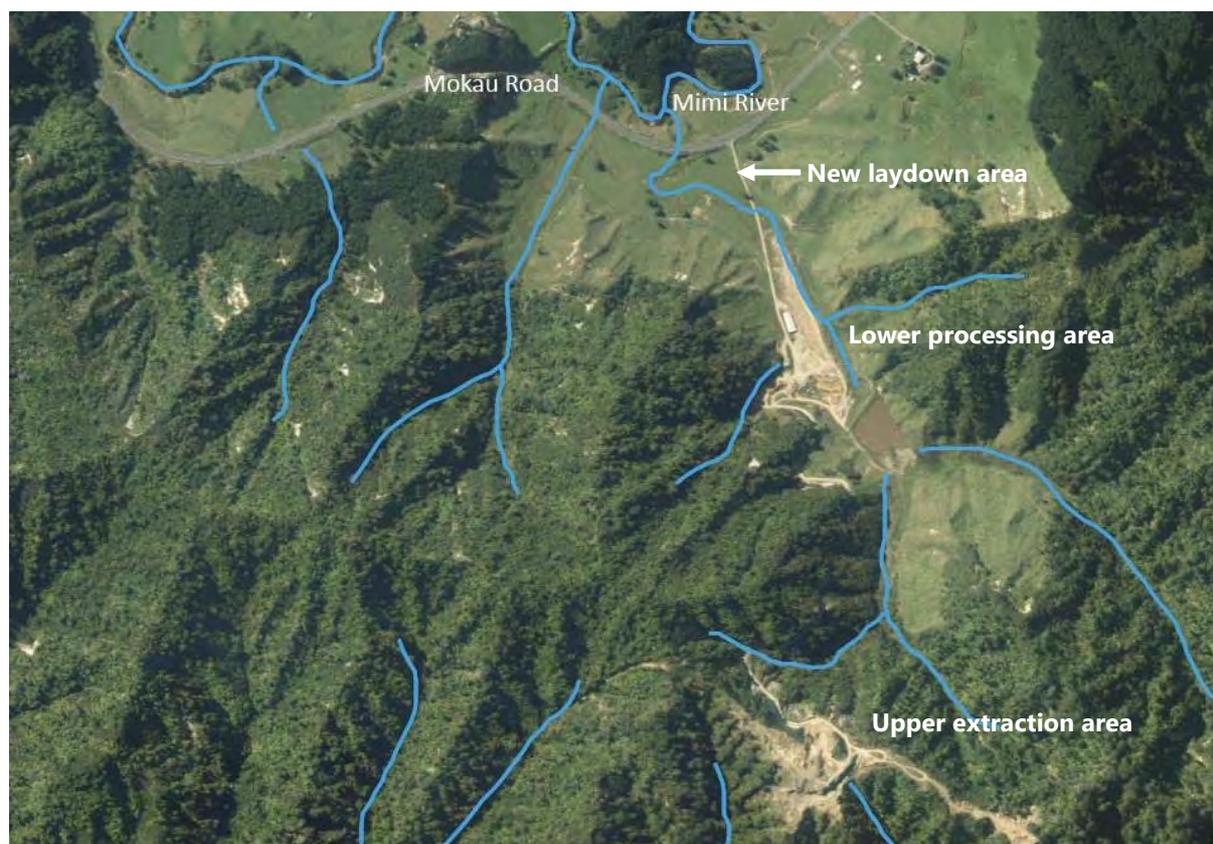


Figure 9 Jones Quarry Uruti Stone Ltd quarry site location

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

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

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

Table 17 Summary of compliance with consent 5124-2.1 from 14 October 2019 to 30 June 2020

Purpose: To discharge stormwater from a quarry site onto and into land and into an unnamed tributary of the Mimi River and dam		
Condition requirement	Means of monitoring during period under review	Compliance Achieved?
1. Exercise consent in accordance with consent application information	Site inspections	Yes
2. Exercise consent in accordance with supplied management plans	Site inspections. Updates required to plan	Yes
3. Site management plan supplied	No current plan received	No
4. Best practicable option	Site inspections	Yes
5. Operate and progressive reinstatement of the site	Inspections of the excavation area	Yes
6. Stormwater catchment area to be no more than 3 ha at the lower site and 3 ha at the upper site	Site inspections, GIS measurements	Yes
7. Concentration limits in the discharge	Observations of stormwater discharge	Yes
8. Discharge shall not give rise to effects beyond the mixing zone	Inspections of the stream, upstream and downstream of the discharge point	Yes
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%	Inspections of the tributary and the Mimi River	Yes
10. Site contingency plan maintained	No plans on file	No
11. Consent holder to notify prior to operational changes	No notifications received	N/A
12. Review provision	Next review date June 2021	N/A
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		High Improvement Required

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

Purpose: To discharge treated washwater from a quarry site into an unnamed tributary of the Mimi River and dam		
Condition requirement	Means of monitoring during period under review	Compliance Achieved?
1. Exercise consent in accordance with consent application information	Site inspections	Yes
2. Exercise consent in accordance with supplied management plan	Site inspections. Updates required to plan	Yes
3. Site management plan supplied	No current plan received	No
4. No direct discharge of untreated washwater	Observations of washwater discharge into the dam showed it was sediment laden	No
5. Consent holder to implement re-circulatory systems	Site inspections showed system not working effectively	No
6. Best practicable option	Site inspections showed ineffective management of stormwater and washwater	No
7. Concentration limits in the discharge	Stormwater/ washwater discharge was sediment laden	No
8. Discharge shall not give rise to effects beyond the mixing zone	Inspections of the stream, upstream and downstream of the discharge point showed reduction in visual clarity downstream	No
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%	Inspections of the tributary and the Mimi River showed high suspended solids present	No
10. Site contingency plan maintained	No plans on file	No
11. Consent holder to notify prior to operational changes	No notifications received	N/A
12. Review provision	No further review dates	N/A
Overall assessment of consent compliance and environmental performance in respect of this consent		Improvement Required
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		
Condition requirement	Means of monitoring during period under review	Achieved
1. Exercise consent in accordance with consent application information	Site inspections	Yes
2. Dam location condition	Site inspections	Yes
3. Dam height to not exceed 3 m	Site inspections	Yes
4. Dam spillway to be no less than 2.5 m wide	Site inspections	Yes
5. The dam crest to invert of the spillway to be no less than 1.5 m high	Site inspections	Yes
6. Consent holder to notify prior to undertaking remedial works on the dam	No works undertaken	N/A
7. Spillway to be maintained at all times	Site inspections	Yes
8. Review clause.	Next review date 2021	N/A
Overall assessment of consent compliance and environmental performance in respect of this consent		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		
Condition requirement	Means of monitoring during period under review	Compliance Achieved?
1. Take shall not exceed 33.5 L/s	No flowmeter	No
2. Water to be discharged back into dam	Site inspections	Yes
3. Best practicable option	Site inspections	No
4. Recording and annual supply of abstraction data	No flowmeter	No
5. Flowmeter to be verified	No flowmeter	No

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 R J Dreaver – Brixton quarry and cleanfill 4th Compliance Monitoring Report 2018-2020

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.



Figure 10 R J Dreaver quarry and cleanfill site



Photo 15 Quarry pit, May 2019



Photo 16 Stormwater ponds, May 2019

10.2 Resource consents

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

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 piping. 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



Photo 18 Sediment laden stormwater ponds beside the tributary, June 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

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

Purpose: To discharge cleanfill onto and into land and into water		
Condition requirement	Means of monitoring during period under review	Compliance Achieved?
1. Discharge shall only occur in the area specified in the consent	Site inspections	Yes
2. Only clean-fill and/or inert materials may be discharged	Site inspections	Yes
3. Prohibited contaminants must not be discharged	Site inspections – some prohibited items were removed upon inspection	No
4. In cases of uncertainty regarding a contaminant, written approval must be obtained from the Council prior to discharge	Approval obtained June 2019 for Pukekura Park sediment disposal	Yes
5. Contact between groundwater and biodegradable materials will be prevented, and a flow path for groundwater to exit the fill area provided	Site inspections	Yes
6. Installation and maintenance of silt retention structures at the toe of the cleanfill discharge area	Site inspections	Yes
7. Installation and maintenance of stormwater diversion drains to minimise stormwater in the discharge area	Site inspections	Yes
8. Best practicable option to prevent or minimise adverse effects	Site inspections showed burning of plastics on site	No
9. Site remediation requirement	Site inspection	Yes
10. Lapse clause	Consent exercised	N/A
11. Review clause	Next review available in June 2026	N/A
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

15th Compliance Monitoring Biennial Report 2018-2020

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.



Photo 19 Taranaki Trucking Wiremu Road quarry old excavation pond, used for water take, May 2019

11.2 Resource consents

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

Copies of consents are included in Appendix I.

11.3 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.

11.4 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.



Photo 21 Taranaki Trucking quarry stormwater treatment pond, January 2020



Photo 20 Taranaki Trucking quarry washwater treatment pond, May 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 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

Purpose: To discharge treated wastewater from quarry operations into an unnamed tributary of the Heimama Stream		
Condition requirement	Means of monitoring during period under review	Compliance Achieved?
1. Best practicable option	Site inspections	Yes
2. Reinstatement of the quarry site	N/A	N/A
3. Restricts the catchment area to not exceed 6.4 ha	Site inspections and GIS measurements	Yes
4. Maintenance and operation of the settlement ponds	Site inspections	Yes
5. Prohibits the discharge of any untreated stormwater or ground water to any surface water	Site inspections and inspection of receiving water	Yes
6. Treated washwater to comply with chemical limits prior to discharge into receiving waters	Inspection of discharge	Yes
7. Discharge must not have any effect after the mixing zone of 25 m	Inspection of receiving water	Yes
8. Provide Contingency Plan to TRC	Received November 2013	Yes
9. Notification to TRC of any changes to operation	No notifications received	N/A
10. Review of consent	Optional review date June 2024	N/A

Purpose: To discharge treated wastewater from quarry operations into an unnamed tributary of the Heimama 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

Table 24 Summary of compliance with consent 2293-3.1 over the 2018-2020 monitoring period

Purpose: To take water from an excavated pond in the vicinity of an unnamed tributary of the Heimama Stream for quarrying operations		
Condition requirement	Means of monitoring during period under review	Compliance Achieved?
1. Restriction of abstraction volume to 320 m ³ /day and 4.8 L/s	Site inspections	Yes
2. Adopt best practicable option	Site inspections	Yes
3. Review of consent	Optional review date June 2024	N/A
Overall assessment of consent compliance and environmental performance in respect of this consent		High
Overall assessment of administrative performance in respect of this consent		High

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 banded 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

12.2 Resource consents

Consent number	Purpose	Granted	Review	Expires
7236-1	To discharge treated stormwater from a quarry into the Waiwhakaiho River	14 February 2008	No further reviews	1 June 2026
0720-4	To discharge treated washwater from shingle washing activities onto and into land and into the Waiwhakaiho River	30 January 2008	No further reviews	1 June 2026
3900-2	To discharge cleanfill onto and into land and to discharge leachate and stormwater from a former quarry landfill onto and into land in the vicinity of the Waiwhakaiho River	30 March 2008	No further reviews	1 June 2026

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.



Photo 22 Whitaker Civil Engineering Ltd quarry stormwater pond



Photo 23 Whitaker Civil Engineering Ltd quarry washwater treatment pond

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

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

Purpose: To discharge treated stormwater from a quarry into the Waiwhakaiho River		
4. Maximum stormwater catchment area of 2 ha	Site inspections	Yes
5. Establishment and maintenance of riparian planting	Inspections of river	Yes
6. Operate and maintain sediment control structures to maximise the treatment of stormwater and washwater, minimise discharge, and ensure discharge consent compliance	Site inspections	Yes
7. Treated stormwater to comply with chemical limits prior to discharge into receiving waters	Inspection of discharge	Yes
8. Beyond the mixing zone of 25 m, discharge shall not affect the physical characteristics of receiving waters of the Waiwhakaiho River	Inspections of the river	Yes
9. Beyond the mixing zone of 25 m, the discharge shall not increase turbidity of the Waiwhakaiho River by more than 50%	Inspections of the river	Yes
10. Use of treatment ponds and washwater re-circulating system to minimise the water volume treated and discharged	Site inspections	Yes
11. Lapse clause	Consent exercised	N/A
12. Review clause	No further review options	N/A
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		
Condition requirement	Means of monitoring during period under review	Compliance Achieved?
1. Best practicable option to prevent or minimise adverse effects	Site inspections	Yes
2. Exercise consent in accordance with consent application	Site inspections	Yes
3. No direct discharge of untreated stormwater or washwater	Inspections of site and river	Yes

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

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		
Condition requirement	Means of monitoring during period under review	Compliance Achieved?
1. Exercise consent in accordance with consent application	Site inspections	Yes
2. Only clean-fill and/or inert materials may be discharged	Site inspections	Yes

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		
3. Prohibited contaminants must not be discharged	Site inspections	Yes
4. Water Treatment Plant (WTP) sludge sourced from New Plymouth District Council is permitted to be discharged at this site	No WTP sludge received during monitoring period	N/A
5. Notification required prior to discharge of WTP sludge	No WTP sludge received during monitoring period	N/A
6. Spreading and mixing requirements when discharging WTP sludge	No WTP sludge received during monitoring period	N/A
7. In cases of uncertainty regarding a contaminant, written approval must be obtained from the Council prior to discharge	Advice given for several different waste products	Yes
8. No discharge to occur within 20 metres of the top bank of the Waiwhakaiho River	Inspections of site and river	Yes
9. Discharge to land shall not result in any contaminants entering surface water	Inspections of site and river	Yes
10. Appropriate monitoring of dumped material to prevent unwanted contaminants in the cleanfill area	Inspections of site and liaison with consent holder	Yes
11. Discharge shall not affect the physical characteristics of receiving waters of the Waiwhakaiho River	Inspections of site and river	Yes
12. Provision of environmental management plan detailing the reinstatement operation	Management plan received 30 October 2009	Yes
13. Report to be satisfactory	Approval from Council	Yes
14. Best practicable option to prevent or minimise adverse effects	Site inspections	Yes
15. Site remediation requirement	Site inspections – some remediation has started	Yes
16. Lapse clause	Consent exercised	N/A
17. Review clause	No further review options	N/A
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 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



Photo 24 Wiremu Road quarry old excavation pit, December 2019

13.2 Resource consents

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

Copies of consents are included in Appendix I.

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.



Photo 25 Wiremu Road quarry stormwater pond, May 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 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

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

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

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 $\mu\text{S}/\text{m}$.
Fresh	Elevated flow in a stream, such as after heavy rainfall.
g/m^3	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.
$\mu\text{S}/\text{cm}$	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	<i>Resource Management Act 1991</i> and including all subsequent amendments.

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

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

Bibliography and references

Taranaki Regional Council (2001): *Regional Fresh Water Plan for Taranaki*. TRC Report.

Taranaki Regional Council (1992): *Regional Policy Statement Working Paper. Aggregate extraction in Taranaki*. TRC Report.

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

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

Appendix I

Resource consents for the Northern quarries

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

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

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

Decision Date: 18 May 2015

Commencement Date: 18 May 2015

Conditions of Consent

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

Expiry Date: 01 June 2032

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

Site Location: Te Arei Road, Bell Block

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

Grid Reference (NZTM) 1703144E-5678349N

Catchment: Waiongana

Tributary: Mangaoraka

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

General condition

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

Special conditions

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

Constituent	Standard
pH	Within the range 6.0 to 9.0
suspended solids	Concentration not greater than 100 gm ⁻³
total hydrocarbons	Concentration not greater than 15 gm ⁻³

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

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

Consent 5651-2.0

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

Signed at Stratford on 18 May 2015

For and on behalf of
Taranaki Regional Council



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: Ferndene Quarries Limited
 3A Horizon Heights
 NEW PLYMOUTH

Consent Granted 16 September 2004
Date:

Conditions of Consent

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

Expiry Date: 1 June 2020

Review Date(s): June 2008, June 2014

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

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

Catchment: Waiongana

Tributary: Mangaoraka

Consent 6453-1

General conditions

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

Special conditions

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

Consent 6453-1

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

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

Component	Concentration
pH [range]	6-9
total recoverable hydrocarbons [infrared spectroscopic technique]	15 gm ⁻³
Suspended solids	100 gm ⁻³

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.

Consent 6453-1

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

Signed at Stratford on 16 September 2004

For and on behalf of
Taranaki Regional Council

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

General conditions

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

Special conditions

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

Consent 7089-1

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

Transferred at Stratford on 20 September 2010

For and on behalf of
Taranaki Regional Council

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 21 January 2020
(Change):

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

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.

Consent 7089-1.1

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.

Consent 7089-1.1

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
29 Mahoetahi Road
R D 42
WAITARA

Consent Granted
Date: 25 March 2004

Conditions of Consent

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

Expiry Date: 1 June 2020

Review Date(s): June 2008, June 2014

Site Location: Mahoetahi Road, Brixton, Waitara

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

Catchment: Waiongana

Tributary: Mangaoraka

Consent 6274-1

General conditions

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

Special conditions

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

Consent 6274-1

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

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

Component	Concentration
pH (range)	6-9
total recoverable hydrocarbons [infrared spectroscopic technique]	15 gm ⁻³
Suspended solids	100 gm ⁻³

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

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.

Consent 9547-1

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

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

Consent 9547-2.0

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 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: 26 April 2005

Commencement Date: 26 April 2005

Conditions of Consent

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

Expiry Date: 01 June 2019

Site Location: Kahui Road, Rahotu

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

Grid Reference (NZTM) 1673660E-5646850N

Catchment: Pungaereere

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

General conditions

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

Special conditions

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

Consent 6585-1

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

Transferred at Stratford on 19 December 2014

For and on behalf of
Taranaki Regional Council

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

*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 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.

Consent 6585-2.0

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 McLay
Director - Resource Management

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

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

Decision Date: 24 October 2014

Commencement Date: 24 October 2014

Conditions of Consent

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

Expiry Date: 01 June 2032

Review Date(s): June 2020, June 2026

Site Location: 51 Hydro Road, New Plymouth

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

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

Catchment: Waiwhakaiho

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

General condition

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

Special conditions

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

Constituent	Standard
pH	Within the range 6.0 to 9.0
suspended solids	Concentration not greater than 100 gm ⁻³
total hydrocarbons	Concentration not greater than 15 gm ⁻³

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

Consent 3888-4.0

9. After allowing for reasonable mixing, within a mixing zone extending 50 metres downstream of any discharge point, the discharge shall not give rise to any of the following effects in the receiving waters:
 - a) the production of any conspicuous oil or grease films, scums or foams, or floatable or suspended materials;
 - b) any conspicuous change in the colour or visual clarity;
 - c) any emission of objectionable odour;
 - d) the rendering of fresh water unsuitable for consumption by farm animals;
 - e) any significant adverse effects on aquatic life.

10. After allowing for reasonable mixing, within a mixing zone extending 50 metres downstream of any discharge point, the discharge shall not give rise to any of the following effects in the receiving waters:
 - a) an increase in the suspended solids concentration within the Waiwhakaiho River in excess of 10 grams per cubic metre when the turbidity as measured immediately upstream of the discharge point is equal to or less than 5 NTU (nephelometric turbidity units); or
 - b) an increase in the turbidity within the Waiwhakaiho River of more than 50%, where the stream turbidity measured upstream if the discharge is greater than 5 NTU, as determined using NTU.

11. The consent holder shall maintain and regularly update a 'Contingency Plan' that details measures and procedures that will be undertaken in the event of spillage or accidental discharge of contaminants not authorised by this consent. The plan shall be approved by the Chief Executive, Taranaki Regional Council, acting in a certification capacity as being adequate to avoid, remedy or mitigate the environmental effects of such an event.

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

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

Transferred at Stratford on 10 February 2015

For and on behalf of
Taranaki Regional Council

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.

Constituent	Standard
pH	Within the range 6.0 to 9.0
suspended solids	Concentration not greater than 100 gm ⁻³
total hydrocarbons	Concentration not greater than 15 gm ⁻³

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

Consent 3912-4.0

9. After allowing for reasonable mixing, within a mixing zone extending 50 metres downstream of any discharge point, the discharge shall not give rise to any of the following effects in the receiving waters:
 - a) the production of any conspicuous oil or grease films, scums or foams, or floatable or suspended materials;
 - b) any conspicuous change in the colour or visual clarity;
 - c) any emission of objectionable odour;
 - d) the rendering of fresh water unsuitable for consumption by farm animals;
 - e) any significant adverse effects on aquatic life.

10. After allowing for reasonable mixing, within a mixing zone extending 50 metres downstream of any discharge point, the discharge shall not give rise to any of the following effects in the receiving waters:
 - a) an increase in the suspended solids concentration within the Waiwhakaiho River in excess of 10 grams per cubic metre when the turbidity as measured immediately upstream of the discharge point is equal to or less than 5 NTU (nephelometric turbidity units); or
 - b) an increase in the turbidity within the Waiwhakaiho River of more than 50%, where the stream turbidity measured upstream if the discharge is greater than 5 NTU, as determined using NTU.

11. The consent holder shall maintain and regularly update a 'Contingency Plan' that details measures and procedures that will be undertaken in the event of spillage or accidental discharge of contaminants not authorised by this consent. The plan shall be approved by the Chief Executive, Taranaki Regional Council, acting in a certification capacity as being adequate to avoid, remedy or mitigate the environmental effects of such an event.

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

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

Transferred at Stratford on 10 February 2015

For and on behalf of
Taranaki Regional Council

A D McLay
Director - Resource Management

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

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

Decision Date: 21 February 2008

Commencement Date: 21 February 2008

Conditions of Consent

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

Expiry Date: 1 June 2026

Review Date(s): June 2020

Site Location: Hydro Road, New Plymouth

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

Grid Reference (NZTM) 1698060E-5671340N

Catchment: Waiwhakaiho

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

General conditions

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

Special conditions

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

Consent 4912-2

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

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

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

Transferred at Stratford on 10 February 2015

For and on behalf of
Taranaki Regional Council

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*

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.

Consent 5124-2.0

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

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

Constituent	Standard
pH	Within the range 6.0 to 9.0
suspended solids	Concentration not greater than 100 gm ⁻³
total recoverable hydrocarbons	Concentration not greater than 15 gm ⁻³

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

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

Consent 5124-2.0

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



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



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

Name of
Consent Holder: Jones Quarry 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.

Consent 6272-1.1

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

Constituent	Standard
pH	Within the range 6.0 to 9.0
suspended solids	Concentration not greater than 100 gm ⁻³
total recoverable hydrocarbons	Concentration not greater than 15 gm ⁻³

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

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

Consent 6272-1.1

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

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



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

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

Decision Date: 4 September 2015

Commencement Date: 4 September 2015

Conditions of Consent

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

Expiry Date: 1 June 2033

Review Date(s): June 2021, June 2027

Site Location: 1320 Mokau Road, Uruiti

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

Grid Reference (NZTM) 1730781E-5685430N

Catchment: Mimi

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

General condition

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

Special conditions

1. The structure shall be constructed in accordance with the details provided in the application provided to the Taranaki Regional Council on 9 July 2015. In the case of any contradiction between the details and the conditions of this consent, the conditions of this consent shall prevail.
2. The dam shall be located at approximate grid reference (NZTM) 1730781E - 5685430N.
3. The dam height shall be no more than 3 metres.
4. The spillway width shall be no less than 2.5 metres wide.
5. The dam crest to the invert of the spillway shall be no less than 1.5 metres high.
6. The consent holder shall notify the Chief Executive, Taranaki Regional Council, in writing at least 48 hours prior to commencing construction of any remedial works on the dam. Notification shall include the consent number and a brief description of the activity consented and emailed to worknotification@trc.govt.nz.
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

*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 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.

Consent 10715-1.0

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

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

General condition

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

Special conditions

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

Consent 9526-1

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

Signed at Stratford on 25 March 2013

For and on behalf of
Taranaki Regional Council

Director-Resource Management

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

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

Decision Date: 25 March 2013

Commencement Date: 25 March 2013

Conditions of Consent

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

Expiry Date: 1 June 2032

Review Date(s): June 2020, June 2026

Site Location: 257 Kairau Road East, Brixton

Legal Description: Lot 2 DP 428639 (discharge site)

Grid Reference (NZTM) 1704328E-5680030N

Catchment: Waiongana

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

General condition

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

Special conditions

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

Consent 9527-1

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

Signed at Stratford on 25 March 2013

For and on behalf of
Taranaki Regional Council

Director-Resource Management

Appendix 1



Area authorised for cleanfill

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

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

Decision Date
(Change): 16 November 2017

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

Conditions of Consent

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

Expiry Date: 1 June 2030

Review Date(s): June 2018, June 2024

Site Location: 1017 Wiremu Road, Opunake

Grid Reference (NZTM) 1679110E-5641630N

Catchment: Heimama

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

General condition

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

Special conditions

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

Signed at Stratford on 16 November 2017

For and on behalf of
Taranaki Regional Council

A D McLay
Director - Resource Management

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

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

Decision Date: 30 November 2012

Commencement
Date: 30 November 2012

Conditions of Consent

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

Expiry Date: 1 June 2030

Review Date(s): June 2018, June 2024

Site Location: 1017 Wiremu Road, Opunake

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

Catchment: Heimama

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

General condition

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

Special conditions

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

Constituent	Standard
pH	Within the range 6.0 to 9.0
suspended solids	Concentration not greater than 100 gm ⁻³
total recoverable oil and grease	Concentration not greater than 15 gm ⁻³

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

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

Consent 2184-3

8. The consent holder shall maintain a contingency plan that details measures and procedures to be undertaken to prevent spillage or any discharge of contaminants not authorised by this consent. The contingency plan shall be followed in the event of a spill or unauthorised discharge and shall be certified by the Chief Executive, Taranaki Regional Council as being adequate to avoid, remedy or mitigate the environmental effects of such a spillage or discharge.
9. The consent holder shall notify the Chief Executive, Taranaki Regional Council, prior to making any changes to the processes or operations undertaken at the site, or the chemicals used or stored on site that could alter the nature of the discharge. Any such change shall then only occur following receipt of any necessary approval under the Resource Management Act. Notification shall include the consent number, a brief description of the activity consented and an assessment of the environmental effects of any changes, and be emailed to consents@trc.govt.nz.
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 14 February 2008
Date:

Conditions of Consent

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

Expiry Date: 1 June 2026

Review Date(s): June 2014, June 2020

Site Location: Waiwhakaiho Road, New Plymouth

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

Catchment: Waiwhakaiho

General conditions

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

Special conditions

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

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

Consent 7236-1

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

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

Signed at Stratford on 14 February 2008

For and on behalf of
Taranaki Regional Council

Director-Resource Management

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

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

Consent Granted 30 January 2008
Date:

Conditions of Consent

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

Expiry Date: 1 June 2026

Review Date(s): June 2014, June 2020

Site Location: Waiwhakaiho Road, New Plymouth

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

Catchment: Waiwhakaiho

General conditions

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

Special conditions

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

Consent 0720-4

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

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

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

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

Signed at Stratford on 30 January 2008

For and on behalf of
Taranaki Regional Council

Director-Resource Management

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

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

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

Conditions of Consent

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

Expiry Date: 1 June 2026

Review Date(s): June 2014, June 2020

Site Location: Waiwhakaiho Road, New Plymouth

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

Catchment: Waiwhakaiho

Consent 3900-2

General conditions

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

Special conditions

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

Consent 3900-2

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

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

Consent 3900-2

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

Signed at Stratford on 2 June 2010

For and on behalf of
Taranaki Regional Council

Director-Resource Management

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

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

Decision Date: 15 May 2018

Commencement Date: 15 May 2018

Conditions of Consent

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

Expiry Date: 1 June 2036

Review Date(s): June 2024, June 2030

Site Location: 1167 Wiremu Road, Opunake

Grid Reference (NZTM) 1678321E-5642563N

Catchment: Oaonui

Tributary: Manganui

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

General condition

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

Special conditions

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

Consent 1509-4.0

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

Constituent	Standard
pH	Within the range 6.0 to 9.0
suspended solids	Concentration not greater than 100 gm ³

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

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

Signed at Stratford on 15 May 2018

For and on behalf of
Taranaki Regional Council

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 $\pm 5\%$ at intervals not exceeding 15 minutes. Records of the date, the time and the rate and volume of water taken shall be made available to the Chief Executive, Taranaki Regional Council at all reasonable times.

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

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

The documentation shall be provided:

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

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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

