

Regional Quarry Compliance Monitoring Combined Biennial Report 2013-2015

Technical Report 2016-104

ISSN: 1178-1467 (Online)
Document: 1601230 (Word)
Document: 1653597 (Pdf)

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May 2016

Executive summary

Currently, there are 26 quarries throughout the region that are monitored by the Taranaki Regional Council (the Council). Between these quarries there are 45 resource consents, authorising water discharges, water abstractions, and discharges of cleanfill. This report covers the period July 2013 to June 2015, and will be the first report to incorporate the monitoring results of multiple quarries into one, streamlined report.

There are two biennial streams in which quarry monitoring programmes are reported. This report spans July 2013-June 2015, a reporting period which incorporates 17 of the region's 26 quarries. However, because some monitoring programmes had already been reported prior to the completion of this combined report format, this report will include just eight of those 17 quarries. The monitoring programmes for the remaining nine quarries will be comprised in a separate biennial report, covering the period July 2014-June 2016. There are some quarries that are not reported on in either of these reports, but instead have been incorporated into separate monitoring programmes with reports being specific to those programmes. Those quarries are typically a component of a wider range of on-site activities or larger scale operations which are the subject of more intensive monitoring programmes.

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

During the monitoring period:

AA Contracting Limited demonstrated a high level of environmental performance overall.

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

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

Goodin AG Limited demonstrated a high level of environmental performance overall.

Jones Quarry Limited demonstrated a high level of environmental performance overall.

R J Dreaver Quarry and Cleanfill demonstrated a high level of environmental performance overall.

Whitaker Civil Engineering Quarry demonstrated a good level of environmental performance overall.

Winstone Aggregates Limited (Opunake) demonstrated a high level of environmental performance overall.

For reference, in the 2013-2014 year, 60% of consent holders in Taranaki monitored through tailored compliance monitoring programmes achieved a high level of environmental performance and compliance with their consents, while another 29% demonstrated a good level of environmental performance and compliance with their consents. In the 2014-2015 year, 75% of consent holders in Taranaki monitored through tailored compliance monitoring programmes achieved a high level of environmental performance and compliance with their consents, while another 22% demonstrated a good level of environmental performance and compliance with their consents.

This report includes recommendations for the 2015-2017 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 first combined biennial report by the Taranaki Regional Council (the Council) for the quarry monitoring programmes in the region. There are two biennial streams in which quarry monitoring programmes are reported. This report spans July 2013-June 2015, a reporting period which incorporates 17 of the region's 26 quarries. However, because some monitoring programmes had already been reported prior to the completion of this combined report format, this report will include just eight of those 17 quarries. The monitoring programmes for the remaining nine quarries will be comprised in a separate biennial report, covering the period July 2014-June 2016. There are some quarries that are not reported on in either of these reports, but instead have been incorporated into separate monitoring programmes with reports being specific to those programmes. Those quarries are typically a component of a wider range of on-site activities or larger scale operations which are the subject of more intensive monitoring programmes.

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.

Section 2 of this report presents the monitoring results and evaluates each site in terms of their administrative and environmental performance. This section is presented in a 'report card' style which follows a standard format, as explained below:

1. A brief site description and quarry background is given, including a detailed site map.
2. Associated resource consents are listed with basic details including key dates.
3. The compliance monitoring programme components are summarised.
4. Evaluation of the company's environmental performance and administrative compliance.
 - a. Summary of company performance based on inspection results. Translates to a brief overview of the company's administrative performance.
 - b. Summary of any relevant information concerning the surrounding environment. This may be based on a visual evaluation, or if warranted, physicochemical sampling and macroinvertebrate surveys. Translates to a brief overview of the company's environmental performance.
 - c. If necessary, any incidents, investigations or interventions that occurred during the monitoring period will be summarised.
 - d. A statement addressing the company's compliance over the monitoring period.

- e. A comprehensive table listing the consent conditions and the company's compliance with each of these (or otherwise).
5. Any alterations or recommendations for subsequent monitoring.

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); and
- e. risks to the neighbourhood or environment.

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

1.1.4. Evaluation of environmental performance and administrative compliance

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

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

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

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

Environmental Performance

- **High** No or inconsequential (short-term duration, less than minor in severity) breaches of consent or regional plan parameters resulting from the activity; no adverse effects of significance noted or likely in the

receiving environment. The Council did not record any verified unauthorised incidents involving significant environmental impacts and was not obliged to issue any abatement notices or infringement notices in relation to such impacts.

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

For example:

High suspended solid values were recorded in discharge samples. However, the discharge was to land or to receiving waters that were in high flow at the time;

Dust clouds beyond boundary but no residential properties or other recipient nearby.

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

Administrative performance

- **High** The administrative requirements of the resource consents were met, or any failure to do this had trivial consequences and were addressed promptly and co-operatively.
- **Good** Perhaps some administrative requirements of the resource consents were not met at a particular time, however these were addressed without repeated interventions from the Council staff. Alternatively adequate reason was provided for matters such as the no or late provision of information, interpretation of 'best practical option' for avoiding potential effects, etc.
- **Improvement required** Repeated interventions to meet the administrative requirements of the resource consents were made by Council staff. These matters took some time to resolve, or remained unresolved at the end of the period under review. The Council may have issued an abatement notice to attain compliance.
- **Poor** Material failings to meet the administrative requirements of the resource consents. Significant intervention by the Council was required. Typically there were grounds for an infringement notice.

For reference, in the 2013-2014 year, 60% of consent holders in Taranaki monitored through tailored compliance monitoring programmes achieved a high level of environmental performance and compliance with their consents, while another 29% demonstrated a good level of environmental performance and compliance with their consents. In the 2014-2015 year, 75% of consent holders in Taranaki monitored through tailored compliance monitoring programmes achieved a high level of environmental performance and compliance with their consents, while another 22% demonstrated a good level of environmental performance and compliance with their consents

1.1.5. Quarrying in Taranaki

Quarry consent holders operate at various locations throughout the region in differing catchments (Table 1, 2, 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 26 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 to 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.

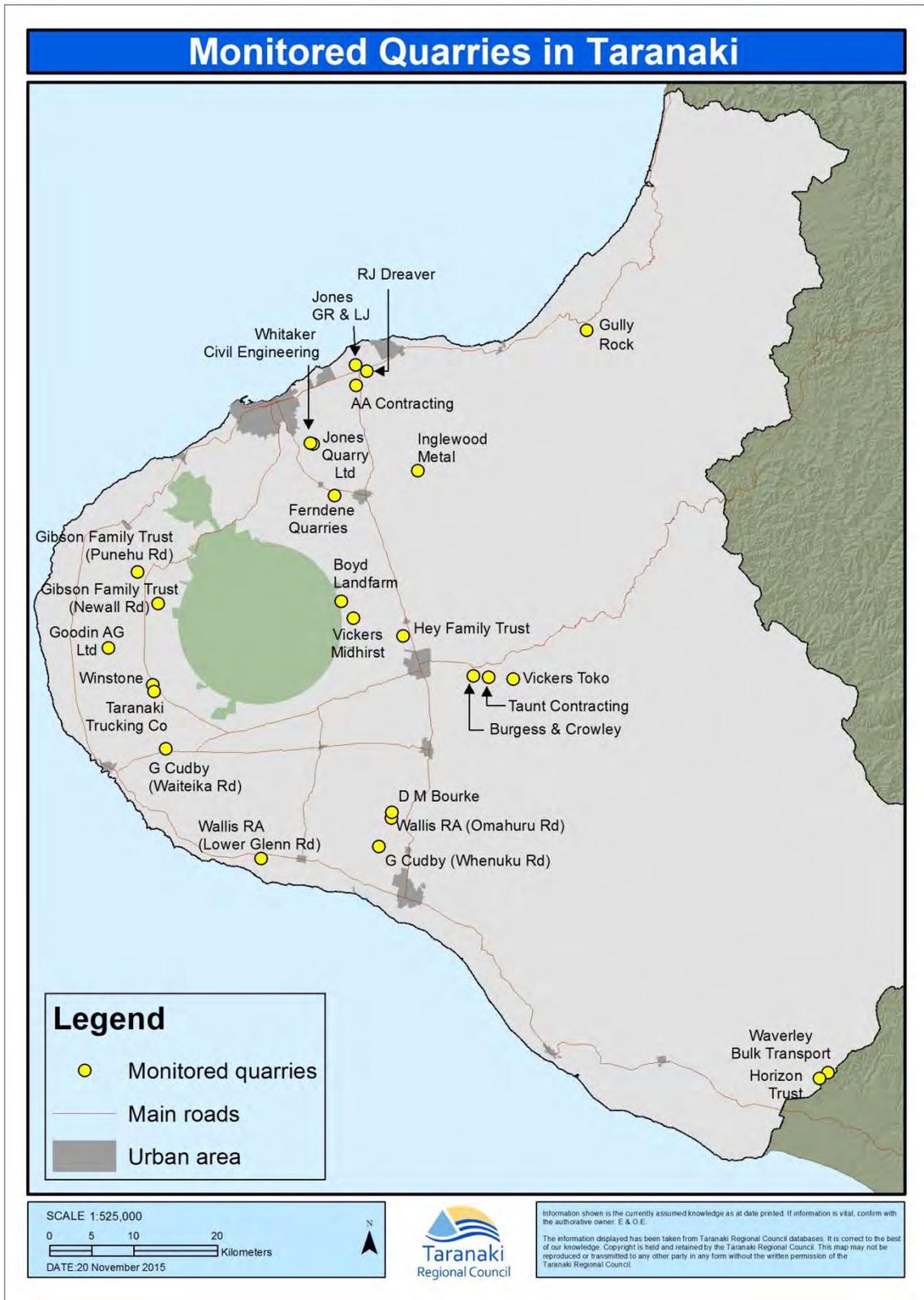


Figure 1 Map showing monitored quarrying locations in Taranaki

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, may result in smothering of benthic life forms, form a barrier to fish movement, and may affect fish spawning habitats.

All 26 monitored quarries in Taranaki hold resource consents to discharge water

See table 1 and 2 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 5 monitored quarries in Taranaki that hold water abstraction consents.

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.

There are 8 monitored quarries in Taranaki that hold cleanfill discharge consents.

Table 1 Consent details for quarries reported on the current monitoring period July 2013 to June 2015

Consent holder	Consent number	Consent type	Next review	Location
AA Contracting	5651-1	S	Expired 2014	Te Arei Rd, Lepperton
	5651-2	S, W	1 June 2032	Te Arei Rd, Lepperton
Boyd Landfarm Quarry	6569-1	S, W	1 June 2015	Norfolk Rd, Inglewood
Burgess & Crowley	3916-3	S, G	Surrendered 31 July 2015	East Rd, Stratford
	7963-1	S	1 June 2016	East Rd, Stratford
	7964-1	TDG	1 June 2016	East Rd, Stratford
	6505-1	C	1 June 2016	East Rd, Stratford
Cudby Contracting Ltd – Waiteika Rd	7519-1	S, W	1 June 2018	Waiteika Rd, Opunake
Cudby Contracting Ltd – Whenuku Rd	7845-1.1	S, G	1 June 2017	Whenuku Rd, Hawera
	10018-1	T	1 June 2017	Whenuku Rd, Hawera
D M Bourke	5001-2	S	1 June 2017	Onewhaia Rd, Te Roti

Consent holder	Consent number	Consent type	Next review	Location
Gibson Family Trust – Newall Road	6441-1	S	Expires 2019	Upper Newall Rd, Newall
Gibson Family Trust – Puniho Road	9547-1	S	1 June 2016	Puniho Rd, Okato
Goodin AG Limited	6585-1	S	Expires 2019	Kahui Rd, Rahotu
Hey Family Trust Limited	7123-1	S	1 June 2016	Monmouth Rd, Stratford
Inglewood Metal Limited	1113-4	S, G, W	Expires June 2015	Everett Rd, Inglewood
Jones Quarry Limited	3888-4	S	1 July 2020	Hydro Rd, New Plymouth
	3912-4	W	1 June 2020	Hydro Rd, New Plymouth
	4912-2	C	1 June 2020	Hydro Rd, New Plymouth
RJ Dreaver	9526-1	S	1 June 2020	Kairau Road, Brixton
	9527-1	C	1 June 2020	Kairau Road, Brixton
Taunt Contracting	5002-2	S, W	1 June 2016	Bird Rd, Stratford
Waverley Bulk Transport	9570-1	S	1 June 2016	Rangitatau West Rd, Waitotara
	9972-1.2	C	1 June 2022	Rangitatau West Rd, Waitotara
Whitaker Civil Engineering Limited	7236-1	S	1 June 2020	Waiwhakaiho Rd, New Plymouth
	3900-2	C	1 June 2020	Waiwhakaiho Rd, New Plymouth
	0720-4	W	1 June 2020	Waiwhakaiho Rd, New Plymouth
Winstone Aggregates Limited	1509-3	S, W	Expires 1 June 2018	Wiremu Rd, Opunake
	1508-3	T	Expires 1 June 2018	Wiremu Rd, Opunake

KEY: S discharge treated stormwater W discharge treated wash/wastewater G discharge treated groundwater
C discharge cleanfill T Take water TDG Take and divert groundwater
Bold text indicates quarry being reported on in this report

Table 2 Consent details for quarries to be reported on at the conclusion of the July 2014-June 2016 monitoring period

Consent holder	Consent number	Consent type	Next review	Location
Ferndene Quarries Limited	6453-1	S	Expires June 2020	Upland Road, Tarururangi
	7089-1	C	1 June 2020	Upland Road, Tarururangi
Gully Rock	5124-2	S	Expires June 2015	Main North Road, Uruti
	6272-1.1	W	Expires June 2021	Main North Road, Uruti
	10146-1	T	1 June 2021	Mokau North Road, Uruti
Horizon Trust Limited	9464-1	S	1 June 2016	Rangitatau West Road, Maxwell
Jones GR and LJ	6274-1	S, W	Expires June 2020	Mahoetahi Road, Waitara
	7439-1	C	1 June 2020	Mahoetahi Road, Waitara
Taranaki Trucking Co	2293-3	T	1 June 2018	Wiremu Road, Opunake
	2184-3	W	1 July 2018	Wiremu Road, Opunake
Vickers – Midhirst	4905-3.1	S, G, W	1 June 2016	York Road, Midhirst
	7615-1	C	1 June 2021	York Road, Midhirst

Consent holder	Consent number	Consent type	Next review	Location
	5218-2.1	S, G	1 June 2016	York Road, Midhirst
Vickers – Toko	3564-3	S, W	1 June 2015	Toko Road, Stratford
Wallis RA – Lower Glenn Rd	9600-1	S	1 June 2017	Lower Glenn Road, Manaia
Wallis RA – Omahuru Rd	5719-1	S, G, W	1 June 2017	Omahuru Road, Okaiawa

KEY: S discharge treated stormwater W discharge treated wash/wastewater G discharge treated groundwater
C discharge cleanfill T Take water TDG Take and divert groundwater

1.3. Monitoring programme overview

1.3.1. Introduction

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

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

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

1.3.2. Programme liaison and management

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

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

1.3.3. Site inspections

Each quarry is subject to a number of physical inspections during each monitoring period. The number of inspections is dependant on the size of the active quarry site and the extent of operations. 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. Biomonitoring surveys

If deemed necessary, 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 causes 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 Incident Register 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 during the 2013-2015 period.



AA Contracting Ltd

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2. AA Contracting Limited

The AA Contracting Limited site at Te Arei Road is located on the true left bank of the Mangaoraka Stream in Lepperton, in the Waiongana catchment.

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 metres from the pond through a deep drain. Silt is collected in the drain prior to discharge through a controlled exit point into the stream. The site is contoured and bunded so that stormwater is directed away from the stream to the drain.

From July to August 2006, the Company deepened and augmented an existing sediment pond to cater for their stormwater discharges; this pond now has enough capacity to not only capture and treat stormwater but also for dealing with wash-water when necessary.



Figure 2 AA Contracting Ltd Quarry site

2.1. Resource consents

5651-1 To discharge treated stormwater and washwater from quarry operations into land and into the Mangaoraka Stream in the Waiongana catchment.

Granted: 21 July 2000

Review: 28 July 2009

Expiry: 1 June 2014

5651-2 To discharge treated stormwater and washwater from quarry operations into land and into the Mangaoraka Stream.

Granted: 18 May 2015

Review: 1 June 2020

Expiry: 1 June 2032

Copies of consents are included in Appendix I.

2.2. Compliance monitoring programme

The AA Contracting monitoring programme includes three components, namely: programme liaison and management with consent holders and affected parties, site inspections, and chemical sampling when required.

2.3. Environmental and administrative performance summary

Six inspections were undertaken at the Te Arei Road quarry during the 2013-2015 period. The site was well maintained and generally tidy over the monitoring period. The site was appropriately contoured to direct all contaminated runoff to the stormwater settlement ponds, and the settlement areas were maintained adequately.



Figure 3 AA Contracting Ltd main settling 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 2013-2015 monitoring period did not note any adverse effects occurring in the receiving waters, and deemed the quarry discharge compliant with consent requirements. Samples were collected and analysed on the 28 May 2015 and were compliant with consented limits for pH, suspended solids and total hydrocarbons.

Table 3 Summary of compliance with consent 5651-1 during the 2013-2015 monitoring period

Condition requirement	Means of monitoring during period under review	Achieved
1. Best practicable option to prevent or minimise adverse effects	Site inspections	Yes
2. Maximum stormwater catchment area	Site inspections	Yes
3. Maintain and review contingency plan	Contingency plan reviewed December 2013	Yes
4. Maintenance of the stormwater system to ensure consent conditions are met	Consultation and inspection to ensure effective operations system	Yes
5. No direct discharge of untreated stormwater or groundwater	Inspections of site and river	Yes
6. Contour the active quarry site so that all water is directed for treatment	Site inspections	Yes
7. Control erosion and minimise silt and sediment in the stormwater.	Inspections of site and downstream of discharge point	Yes
8. Progressive reinstatement of the quarry to minimise the area of exposed earth	Site inspections	Yes
9. Operate and maintain silt control structures to maximise the treatment of stormwater.	Site inspections	Yes
10. Treated stormwater to comply with chemical limits prior to discharge into receiving waters.	Sample collection	N/A
11. Beyond the mixing zone, discharge shall not affect the physical characteristics of receiving waters of the Mangaoraka Stream.	Inspections of the river	Yes
12. Beyond the mixing zone, the discharge shall not increase turbidity of the Mangaoraka Stream by more than 50%.	Inspections of the river, standard black disk measure	Yes
13. Prior to surrender of the consent the quarry site must be reinstated.	Site inspection	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

The consent holder received a high rating for their consent compliance and administrative performance for the period that consent 5651-1 was effective (1 July 2015 to 18 May 2015), as all quarry activities were assessed as compliant with the specified consent conditions.

Table 4 Summary of compliance with consent 5651-2.0 during the 2013-2015 monitoring period

Condition requirement	Means of monitoring during period under review	Achieved
1. No direct discharge of untreated stormwater	Inspections of site and river	Yes
2. All stormwater is directed for treatment	Site inspections	Yes
3. Discharge outlet to prevent backflow from the stream into the settling pond.	Site inspections	Yes
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

Condition requirement	Means of monitoring during period under review	Achieved
5. Treatment system banded to prevent inflow of surrounding stormwater	Site inspections	Yes
6. Progressive reinstatement of the quarry to minimise the area of exposed earth and stormwater catchment.	Site inspections	Yes
7. Best practicable option to prevent or minimise adverse effects	Site inspections	Yes
8. Treated stormwater to comply with chemical limits prior to discharge into receiving waters.	Sample collection	Yes
9. Beyond the mixing zone, discharge shall not affect the physical characteristics of receiving waters of the Mangaoraka Stream.	Inspections of the river	Yes
10. Beyond the mixing zone, the discharge shall not breach turbidity limits.	Inspections of the river	Yes
11. Maintain and review contingency plan	Contingency plan reviewed December 2013	Yes
12. Notification prior to any changes in processes or operations at the site	Receipt of notification	N/A
13. Review clause	Option to review in June 2020	N/A
Overall assessment of consent compliance and environmental performance in respect of this consent		High
Overall assessment of administrative performance in respect of this consent		High

The consent holder received a high rating for their consent compliance and administrative performance for the period that consent 5651-2.0 was effective (18 May 2015 to 30 June 2015), as all quarry activities were assessed as compliant with the specified consent conditions.

2.4. Alterations and recommendations for 2015-2017

It is recommended that monitoring of discharges from AA Contracting's Te Arei Road site in the 2015-2017 period continue at the same level as in 2013-2015.



Gibson Family Trust – Newall Road

5th Compliance Monitoring Biennial Report 2013-2015

3. Gibson Family Trust – Newall Road

The Gibson Family Trust site at Newall Road is located on the true left bank of an unnamed tributary of the Teikaparua River, in the Teikaparua (Warea) catchment. The quarry was operated as Brian Crawford Contracting Limited from 2004, and was transferred to Gibson Family Trust on 23 April 2015.

The Gibson Family Trust quarry supplies aggregate to a mostly local market. No washing is performed on site and machinery is brought on site as required. The active quarry area is bunded and ring-drained to direct stormwater to the two stage settling pond system. Treated stormwater is discharged into the unnamed tributary through the overflow channel from pond 2.



Figure 4 Gibson Family Trust Newall Road Quarry site

3.1. Resource consents

6441-1 To discharge treated stormwater from a quarry onto and into land and into an unnamed tributary of the Warea (Teikaparua) River.

Granted: 03 February 2005 **Review:** no further review options **Expiry:** 1 June 2019

Copies of consents are included in Appendix I.

3.2. Compliance monitoring programme

The Gibson Family Trust Newall Road monitoring programme includes three components, namely: programme liaison and management with consent holders and affected parties, site inspections, and chemical sampling when required.

3.3. Environmental and administrative performance summary

Three inspections were undertaken at the Newall Road quarry during the 2013-2015 period. The site was appropriately bunded and contoured to direct all runoff to the stormwater settlement ponds.



Figure 5 Gibson Family Trust quarry

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 2013-2015 monitoring period did not note any adverse effects occurring in the receiving waters.

Table 5 Summary of compliance with consent 6441-1 during the 2013-2015 monitoring period

Condition requirement	Means of monitoring during period under review	Achieved
1. Best practicable option to prevent or minimise adverse effects	Site inspections	Yes
2. Exercise the consent in accordance with the consent application and ensure consent conditions are met at all times.	Site inspections	Yes
3. No direct discharge of untreated stormwater	Inspections of site and river	Yes
4. Contour the active quarry site so that all water is directed for treatment	Site inspections	Yes
5. Control erosion and minimise silt and sediment in the stormwater.	Inspections of site and downstream of discharge point	Yes
6. Progressive reinstatement of the quarry to minimise the area of exposed earth	Site inspections	Yes
7. Maximum stormwater catchment area	Site inspections	Yes
8. Operate and maintain silt control structures to maximise the treatment of stormwater.	Site inspections	Yes
9. Treated stormwater to comply with chemical limits prior to discharge into receiving waters.	Sample collection	N/A
10. Beyond the mixing zone, discharge shall not affect the physical characteristics of receiving waters.	Inspections of the river	Yes
11. Beyond the mixing zone, the discharge shall not increase turbidity of the receiving waters by more than 50%.	Inspections of the river and /or sample analysed for NTU	Yes
12. Fencing of tributary to exclude stock	Site inspections	Yes
13. Contingency plan requirement	Contingency plan received January 2011	Yes
14. Prior to surrender of the consent the quarry site must be reinstated.	Site inspection	N/A
15. Lapse clause	Consent has been exercised	N/A
16. Review clause	No further options for review prior to expiry in 2019	N/A
Overall assessment of consent compliance and environmental performance in respect of this consent		High
Overall assessment of administrative performance in respect of this consent		High

The consent holder received a high rating for their consent compliance and administrative performance for the 2013-2015 period, as all quarry activities were assessed as compliant with the specified consent conditions.

3.4. Alterations and recommendations for 2015-2017

It is recommended that monitoring of discharges from the Gibson Family Trust Newall Road site in the 2015-2017 period continue at the same level as in 2013-2015.



Gibson Family Trust – Puniho Road

1st Compliance Monitoring Biennial Report
2013-2015

4. Gibson Family Trust – Puniho Road

The Gibson Family Trust Puniho Road site is located on the true right bank of an unnamed tributary of the Matanehunehu Stream in the Matanehunehu catchment. 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. The quarry floor is covered in a thick layer of coarse aggregate metal, and slotted drainage pipes have been placed within the quarry floor and around the rear perimeter to redirect surface runoff to a soakhole. A single drainage pipe directs flow to the unnamed tributary of the Matanehunehu Stream.



Figure 6 Gibson Family Trust Puniho Road quarry site

4.1. Resource consents

9547-1 To discharge stormwater from a quarry site into an unnamed tributary of the Matanehunehu Stream.

Granted: 16 April 2013

Review: 01 June 2016

Expiry: 1 June 2020

Copies of consents are included in Appendix I.

4.2. Compliance monitoring programme

The Gibson Family Trust Puniho Road monitoring programme includes three components, namely: programme liaison and management with consent holders and affected parties, site inspections, and chemical sampling when required.

4.3. Environmental and administrative performance summary

Five inspections were undertaken at the Gibson Family Trust Puniho Road quarry during the 2013-2015 period. The site was well maintained and generally tidy over the monitoring period. The site was appropriately bunded to prevent runoff leaving the site, and to direct all runoff to the stormwater treatment systems.

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 2013-2015 monitoring period did not note any adverse effects occurring in the receiving waters. The inspecting officer noted that the receiving waters were visually clear during each inspection.

Table 6 Summary of compliance with consent 9547-1 over the 2013-2015 monitoring period

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

The consent holder received a high rating for their consent compliance and administrative performance for the 2013- 2015 monitoring period, as all quarry activities were assessed as compliant with the specified consent conditions.

4.4. Alterations and recommendations for 2015-2017

It is recommended that monitoring of discharges from the Gibson Family Trust Puniho Road site in the 2015-2017 period continue at the same level as in 2013-2015.



Goodin AG Limited

5th Compliance Monitoring Biennial Report 2013-2015

5. Goodin AG Limited

The Goodin AG Limited site at Kahui Road is located on the true right bank of an unnamed tributary of the Pungaereere Stream, in the Pungaereere catchment, located in Rahotu. The quarry was operated as Surf Highway Excavations from 2005, and was transferred to Goodin AG Limited 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 metres north of the site, the other is over 70 metres south of the site on the other side of Kahui Road. The active quarrying area is approximately 1 hectare and slopes to the northwest where stormwater is directed into a pond to soak away.



Figure 7 Goodin AG Limited quarry site

5.1. Resource consents

6585-1 To discharge stormwater and sediment from earthworks associated with metal excavation onto and into land in the vicinity of an unnamed tributary of the Pungaereere Stream.

Granted: 26 April 2005

Review: No further options for review

Expiry: 01 June 2019

Copies of consents are included in Appendix I.

5.2. Compliance monitoring programme

The Goodin AG Limited monitoring programme includes three components, namely: programme liaison and management with consent holders and affected parties, site inspections, and chemical sampling when required.

5.3. Environmental and administrative performance summary

Three inspections were undertaken at the Goodin AG Limited quarry during the 2013-2015 period. The site was well maintained and generally tidy over the monitoring period. The site was considered to be appropriately bunded to capture and direct any runoff to the settlement pond.



Figure 8 Goodin AG Limited quarry site (January 2012)

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 2013-2015 monitoring period confirmed that any stormwater run-off from the site was to land; there was no visible discharge or deposits of sediment to surrounding areas; and that there were no adverse effects to receiving waters.

Table 7 Summary of compliance with consent 6585-1 over the 2013-2015 monitoring period

Condition requirement	Means of monitoring during period under review	Achieved
1. Best practicable option to prevent or minimise adverse effects	Site inspections	Yes
2. Provision of site erosion and sediment control management plan.	Plan received on 22 March 2005	Yes

Condition requirement	Means of monitoring during period under review	Achieved
3. Written notification requirement prior to works commencing	Receipt of notification	N/A
4. Beyond the mixing zone, discharge shall not affect the physical characteristics of the receiving waters.	Inspections of the river	Yes
5. Manage earthworks and discharge in accordance with consent application information.	Site inspections	Yes
6. Reinstatement of disturbed areas as soon as practicable	Site inspections	Yes
7. Lapse clause	Consent has been exercised	N/A
8. Review clause	No further options for review prior to consent expiry	N/A
Overall assessment of consent compliance and environmental performance in respect of this consent		High
Overall assessment of administrative performance in respect of this consent		High

The consent holder received a high rating for their consent compliance and administrative performance for the 2013-2015 monitoring period, as all quarry activities were assessed as compliant with the specified consent conditions.

5.4. Alterations and recommendations for 2015-2017

It is recommended that monitoring for the Goodin AG Limited Kahui Road site in the 2015-2017 period is continued at the same level as in 2013-2015.



Jones Quarry Limited

21st Compliance Monitoring Biennial Report 2013-2015

6. Jones Quarry Limited

Jones Quarry Limited 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. The consents to operate the quarry and cleanfill for this site were transferred to Jones Quarry Limited on 10 February 2015; prior to this the quarry has been operated as Graham Harris (2000) Limited, and New Plymouth Quarries Limited.

Active quarrying and exposed areas are contoured and bunded to direct stormwater to treatment ponds prior to discharge. Reinstatement of excavated areas at the quarry is carried out using cleanfill.



Figure 9 Jones Quarry and cleanfill site

6.1. Resource consents

3888-3 To discharge treated stormwater from a quarry site onto and into land and into the Waiwhakaiho River.

Granted: 19 March 2002 **Review:** 01 June 2008 **Expiry:** 1 June 2014

3888-4 To discharge treated stormwater from a quarry site onto and into land and into the Waiwhakaiho River.

Granted: 24 October 2014 **Review:** 01 June 2020 **Expiry:** 1 June 2032

3912-3 To discharge treated washwater from shingle washing operations onto and into land and into the Waiwhakaiho River.

Granted: 19 March 2002 **Review:** 01 June 2008 **Expiry:** 1 June 2014

3912-4 To discharge treated washwater from shingle washing operations onto and into land and into the Waiwhakaiho River.

Granted: 24 October 2014 **Review:** 01 June 2020 **Expiry:** 1 June 2032

4912-2 To discharge clean-fill onto and into land for quarry reinstatement purposes in the vicinity of the Waiwhakaiho River.

Granted: 21 February 2008 **Review:** 01 June 2020 **Expiry:** 1 June 2026

Copies of consents are included in Appendix I.

6.2. Compliance monitoring programme

The Jones Quarry Limited monitoring programme includes four components, namely: programme liaison and management with consent holders and affected parties, site inspections, chemical sampling and freshwater biological surveys when required.

6.3. Environmental and administrative performance summary

Five inspections were undertaken at Jones Quarry Limited during the 2013-2015 period. The site was well maintained and generally tidy over the monitoring period. The site was appropriately bunded and contoured to contain and direct all runoff to the treatment ponds. There was no visual impact on the Waiwhakaiho River, and the cleanfill area appeared to only contain inert cleanfill material.

An upgrade of the current treatment system for wastewater is planned. There will be an extra two or three pond system created to treat discharge from the extraction site and cleanfill. Treated water will then discharge from the treatment pond to the Waiwhakaiho River. During dryer months the discharge from the new pond will be diverted to the original treatment system, and the water will be reused in the processing of material.



Figure 10 Jones Quarry Limited

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 2013-2015 monitoring period did not note any adverse effects occurring in the receiving waters.

Table 8 Summary of compliance with consent 3888-3 over the 2013-2015 monitoring period

Condition requirement	Means of monitoring during period under review	Achieved
1. No direct discharge of untreated stormwater	Inspections of site and river	Yes
2. Bund/ contour the active quarry site so that all water is directed for treatment	Site inspections	Yes
3. Control erosion and minimise silt and sediment in the stormwater.	Inspections of site and downstream of discharge point	Yes
4. Progressive reinstatement of the quarry to minimise the area of exposed earth and stormwater catchment area.	Site inspections	Yes
5. Operate and maintain silt control structures to maximise the treatment of stormwater and to ensure consent conditions are met.	Site inspections	Yes
6. Silt control structures required to have a minimum storage volume of 660 m ³ per hectare of stormwater catchment.	Site inspections	Yes
7. Concentration limits for discharge prior to entering receiving waters.	Discharge samples	N/A
8. Beyond the mixing zone, discharge shall not affect the physical characteristics of receiving waters of the Waiwhakaiho River.	Inspections of the river	Yes
9. Beyond the mixing zone (dependant on upstream NTU measurement), the discharge shall not increase the suspended solids concentration beyond 10gm ⁻³ or increase turbidity of the Waiwhakaiho River by more than 50%.	Inspections of the river, sample collection	Yes
10. Prior to surrender of the consent the quarry site must be reinstated.	Site inspection	Yes
11. Provision and maintenance of contingency plan	Contingency plan received 5 November 2010	Yes
12. Review clause	No further options for review prior to consent expiry	N/A
Overall assessment of consent compliance and environmental performance in respect of this consent		High
Overall assessment of administrative performance in respect of this consent		High

The Company received a high rating for their consent compliance and administrative performance for the period that consent 3888-3 was effective (1 July 2013 to 23 October 2014), as all quarry activities were assessed as compliant with the specified consent conditions.

Table 9 Summary of compliance with consent 3888-4.0 over the 2013-2015 monitoring period

Condition requirement	Means of monitoring during period under review	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

Condition requirement	Means of monitoring during period under review	Achieved
4. Operate and maintain settling pond system to ensure consent conditions are met and discharge duration and frequency is minimised	Consultation and inspection to ensure effective operations system	Yes
5. Treatment system banded to prevent inflow of surrounding stormwater	Site inspections	Yes
6. Progressive reinstatement of the quarry to minimise the area of exposed earth and stormwater catchment 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	N/A
9. Beyond the mixing zone, discharge shall not affect the physical characteristics of receiving waters.	Inspections of the river	Yes
10. Beyond the mixing zone (dependant on upstream NTU measurement), the discharge shall not increase the suspended solids concentration beyond 10gm ⁻³ or increase turbidity of the Waiwhakaiho River by more than 50%.	Inspections of the river, sample collection	Yes
11. Maintain and regularly review a contingency plan.	Contingency plan received 5 November 2010	Yes
12. Notification prior to any changes in processes or operations at the site.	Receipt of notification	N/A
13. Review clause	Next review available in June 2020	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

The Company received a high rating for their consent compliance and administrative performance for the period that consent 3888-4.0 was effective (24 October 2014 to 30 June 2015), as all quarry activities were assessed as compliant with the specified consent conditions.

Table 10 Summary of compliance with consent 3912-3 over the 2013-2015 monitoring period

Condition requirement	Means of monitoring during period under review	Achieved
1. No direct discharge of untreated washwater	Inspections of site and river	Yes
2. Bund/ contour the active aggregate washing area to ensure separation from stormwater catchment.	Site inspections	Yes
3. Implementation of appropriate recirculatory systems to minimise washwater discharge.	Site inspections	Yes
4. Concentration limits for discharge prior to entering receiving waters.	Discharge samples	N/A
5. Beyond the mixing zone, discharge shall not affect the physical characteristics of receiving waters of the Waiwhakaiho River.	Inspections of the river	Yes
6. Beyond the mixing zone (dependant on upstream NTU measurement), the discharge shall not increase the suspended solids concentration beyond 10gm ⁻³ or increase turbidity of the Waiwhakaiho River by more than 50%.	Inspections of the river, sample collection	Yes

Condition requirement	Means of monitoring during period under review	Achieved
7. Review clause	No further options for review prior to consent expiry	N/A
Overall assessment of consent compliance and environmental performance in respect of this consent		High
Overall assessment of administrative performance in respect of this consent		High

The Company received a high rating for their consent compliance and administrative performance for the period that consent 3912-3 was effective (1 July 2013 to 23 October 2014) as all quarry activities were assessed as compliant with the specified consent conditions.

Table 11 Summary of compliance with consent 3912-4.0 over the 2013-2015 monitoring period

Condition requirement	Means of monitoring during period under review	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	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	N/A
9. Beyond the mixing zone, discharge shall not affect the physical characteristics of receiving waters.	Inspections of the river	Yes
10. Beyond the mixing zone (dependant on upstream NTU measurement), the discharge shall not increase the suspended solids concentration beyond 10gm ⁻³ or increase turbidity of the Waiwhakaiho River by more than 50%.	Inspections of the river, sample collection	Yes
11. Maintain and regularly review a contingency plan.	Contingency plan received 5 November 2010	Yes
12. Notification prior to any changes in processes or operations at the site.	Receipt of notification	N/A
13. Review clause	Next review available in June 2020	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

The Company received a high rating for their consent compliance and administrative performance for the period that consent 3912-4.0 was effective (24 October 2014 to 30 June 2015) as all quarry activities were assessed as compliant with the specified consent conditions.

Table 12 Summary of compliance with consent 4912-2 over the 2013-2015 monitoring period

Condition requirement	Means of monitoring during period under review	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	Yes
3. Prohibited contaminants must not be discharged.	Site inspections	Yes
4. In cases of uncertainty regarding a contaminant, written approval must be obtained from the Council prior to discharge.	Approval obtained	N/A
5. No clean-fill to be discharged within 20 m of the bank of the Waiwhakaiho River.	Site inspections	Yes
6. Discharge to land shall not result in any clean-fill material entering surface water.	Site inspections	Yes
7. Discharge to be monitored to ensure compliance	Site inspections	Yes
8. After hours site access restriction.	Site inspections	Yes
9. Provision of management plan	Management plan received 8 February 2008	Yes
10. Site remediation requirement	Site inspection	N/A
11. Consent holder to educate other people discharging to site to ensure consent compliance.	Site inspections	Yes
12. Lapse clause	Consent exercised	N/A
13. Review clause	Next review available in June 2020	N/A
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

During the period under review the Company received a high rating for their consent compliance and administrative performance in relation to consent 4912-2, as all quarry activities were assessed as compliant with the specified consent conditions.

Overall, the consent holder has demonstrated a high level of consent compliance with all consents held. There were no incidents recorded that were associated with operations at the Jones Quarry or cleanfill site, and the site was tidy and well managed.

6.4. Alterations and recommendations for 2015-2017

It is recommended that monitoring of discharges from Jones Quarry Limited in the 2015-2017 period continue at the same level as in 2013-2015.



R J Dreaver Quarry and Cleanfill

1st Compliance Monitoring Biennial Report
2013-2015

7. R J Dreaver Quarry and Cleanfill

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.

On-site stormwater is managed using a two pond treatment system. Surface runoff is directed to a drain containing vegetation to filter sediment, the discharge then enters the first settling pond which is 4 metres deep, before entering the second settling pond which is 8 metres deep (Figure 13). From the second settling pond, treated stormwater discharges into an unnamed tributary of the Waiongana Stream. Aggregate washing does not take place on-site and crushing only occurs when sand is required for a particular job (a crusher is brought on-site for this purpose).



Figure 11 R J Dreaver Quarry and Landfill site

7.1. Resource consents

9526-1 To discharge stormwater from a quarry site into an unnamed tributary of the Waiongana Stream.

Granted: 25 March 2013 **Review:** 1 June 2020 **Expiry:** 1 June 2032

9527-1 To discharge cleanfill onto and into land and into water.

Granted: 25 March 2013 **Review:** 1 June 2020 **Expiry:** 1 June 2032

Copies of consents are included in Appendix I.

7.2. Compliance monitoring programme

The R J Dreaver Quarry and Cleanfill monitoring programme includes three components, namely: programme liaison and management with consent holders and affected parties, site inspections, and chemical sampling when required.

7.3. Environmental and administrative performance summary

Seven inspections were undertaken at the R J Dreaver Quarry and Cleanfill during the 2013-2015 period. The site was well maintained and generally tidy over the monitoring period. The site was appropriately bunded, and all surface runoff was directed to treatment ponds. When discharge was occurring during inspections it was observed to be visibly clear, and the cleanfill area contained only approved materials.



Figure 12 R J Dreaver Quarry settling pond two

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 2013-2015 monitoring period did not note any adverse effects occurring in the receiving waters.

Table 13 Summary of compliance with consent 9526-1 over the 2013-2015 monitoring period

Condition requirement	Means of monitoring during period under review	Achieved
1. Maximum active quarry area	Site inspections	Yes
2. Run off from exposed quarry areas to pass through treatment systems that meet the minimum capacity requirements specified in the consent.	Site inspections	Yes
3. Progressive reinstatement of exposed earth area as soon as is practicable.	Site inspections	Yes
4. Best practicable option to prevent or minimise adverse effects.	Site inspections	Yes
5. Contour and bund the active quarry site so that all water is directed for treatment	Site inspections	Yes
6. Suspended solid concentration limits of discharge.	Sample collection	N/A
7. Beyond the mixing zone, 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 2020	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

The Company received a high rating for their consent compliance and administrative performance for the 2013-2015 period in relation to consent 9526-1, as all quarry activities were assessed as compliant with the specified conditions of the consent.

Table 14 Summary of compliance with consent 9527-1 over the 2013-2015 monitoring period

Condition requirement	Means of monitoring during period under review	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	Yes
4. In cases of uncertainty regarding a contaminant, written approval must be obtained from the Council prior to discharge.	Approval obtained	N/A
5. Contact between groundwater and biodegradable materials will be prevented, and a flow path for groundwater to exit the fill area provided.	Site inspections	Yes
6. Installation and maintenance of silt retention structures at the toe of the cleanfill discharge area.	Site inspections	Yes
7. Installation and maintenance of stormwater diversion drains to minimise stormwater in the discharge area.	Site inspections	Yes
8. Best practicable option to prevent or minimise adverse effects.	Site inspections	Yes

Condition requirement	Means of monitoring during period under review	Achieved
9. Site remediation requirement	Site inspection	N/A
10. Lapse clause	Consent exercised	N/A
11. Review clause	Next review available in June 2020	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

The Company received a high rating for their consent compliance and administrative performance for the 2013-2015 period in relation to consent 9527-1, as all cleanfill activities were assessed as compliant with the specified conditions of the consent.

Overall, the consent holder has demonstrated a high level of consent compliance with all consents held. There were no incidents recorded that were associated with operations at the R J Dreaver Quarry and Cleanfill site, and the site was tidy and well managed.

7.4. Alterations and recommendations for 2015-2017

It is recommended that monitoring of discharges from R J Dreaver's Kairau Road site in the 2015-2017 period continue at the same level as in 2013-2015.



Whitaker Civil Engineering Quarry

17th Compliance Monitoring Biennial Report
2013-2015

8. Whitaker Civil Engineering Quarry

Whitaker Civil Engineering Quarry site at Waiwakaiho Road is located approximately 3.5 km south east of New Plymouth on the true right bank of the Waiwhakaiho River, in the Waiwhakaiho catchment.

The quarry has washing facilities as well as a dry crusher, screens and excavators onsite. The active quarrying area is approximately 1.5 hectares. Exposed earth areas are contoured and bunded to direct surface runoff to settling ponds for treatment prior to discharge. Reinstatement of excavated areas is carried out using cleanfill.

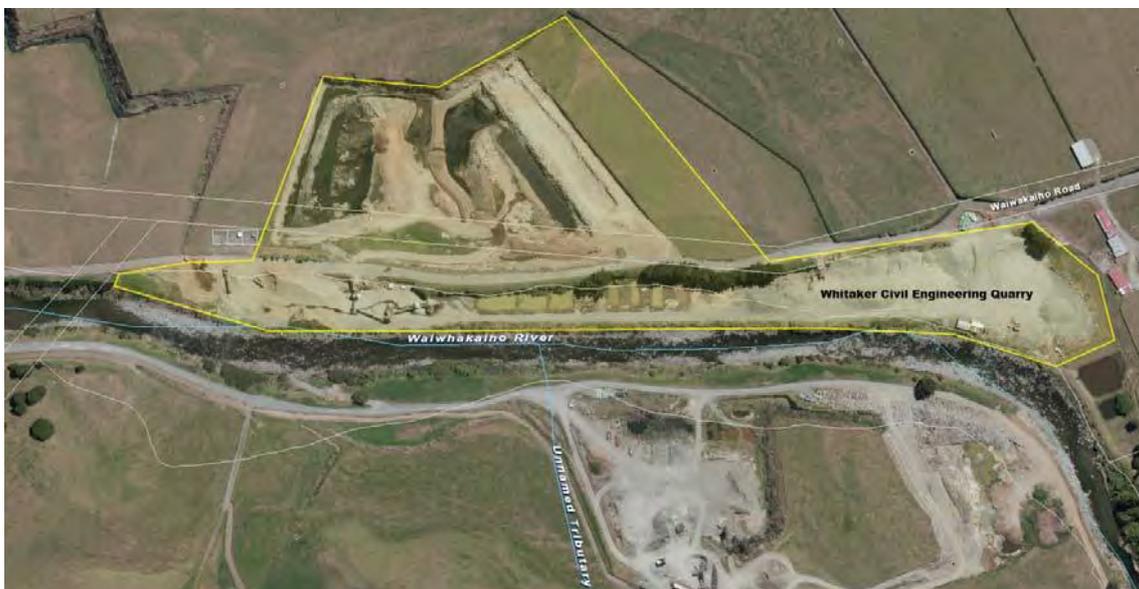


Figure 13 Whitaker Civil Engineering Quarry site

8.1. Resource consents

7236-1 To discharge treated stormwater from a quarry into the Waiwhakaiho River.

Granted: 14 February 2008 **Review:** 1 June 2020 **Expiry:** 1 June 2026

0720-4 To discharge treated washwater from shingle washing activities onto and into land and into the Waiwhakaiho River.

Granted: 30 January 2008 **Review:** 1 June 2020 **Expiry:** 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.

Granted: 30 March 2008 **Review:** 1 June 2020 **Expiry:** 1 June 2026

Copies of consents are included in Appendix I.

8.2. Compliance monitoring programme

The Whitaker Civil Engineering Quarry monitoring programme includes three components, namely: programme liaison and management with consent holders and affected parties, site inspections, and chemical sampling when required.

8.3. Environmental and administrative performance summary

Eight inspections were undertaken at the Waiwakaiho Road quarry during the 2013-2015 period. It was noted that the site was well maintained and generally tidy over the monitoring period. The site was appropriately bunded and contoured to direct all surface runoff to treatment ponds. When discharge was occurring during inspections it was observed to be visibly clear, and the cleanfill area contained only approved materials.



Figure 14 Sediment ponds at Whitaker Civil Engineering Quarry

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 2013-2015 monitoring period did not note any adverse effects on visual clarity occurring in the receiving waters. However, samples collected on 4 June 2015 indicated that the suspended solid concentration of the discharge (510 g/m^3) breached the consented limit of 100 g/m^3 . An abatement notice was issued and an upgrade of the stormwater treatment system has been discussed with the consent holder.

Table 15 Summary of compliance with consent 7236-1 over the 2013-2015 monitoring period

Condition requirement	Means of monitoring during period under review	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
4. Maximum stormwater catchment area.	Site inspections	Yes

Condition requirement	Means of monitoring during period under review	Achieved
5. Establishment and maintenance of riparian planting.	Inspections of river	Yes
6. Operate and maintain sediment control structures to maximise the treatment of stormwater and washwater, minimise discharge, and ensure discharge consent compliance.	Site inspections	Yes
7. Treated stormwater to comply with chemical limits prior to discharge into receiving waters.	Sample collection	No
8. Beyond the mixing zone, discharge shall not affect the physical characteristics of receiving waters of the Waiwhakaiho River.	Inspections of the river	Yes
9. Beyond the mixing zone, the discharge shall not increase turbidity of the Waiwhakaiho River by more than 50%.	Inspections of the river, NTU measurement	Yes
10. Use of treatment ponds and washwater re-circulating system to minimise the water volume treated and discharged.	Site inspections	Yes
11. Lapse clause	Consent exercised	N/A
12. Review clause	Next review available in June 2020	N/A
Overall assessment of consent compliance and environmental performance in respect of this consent		Good
Overall assessment of administrative performance in respect of this consent		High

The company received a good rating for their consent compliance and a high rating for their administrative performance for consent 7236-1 for the 2013-2015 period. Due to a noncompliant suspended solids concentration in a discharge sample, special condition 7 of this consent was breached. All other quarry activities were assessed as compliant with the specified consent conditions.

Table 16 Summary of compliance with consent 0720-4 over the 2013-2015 monitoring period

Condition requirement	Means of monitoring during period under review	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
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.	Sample collection	No

Condition requirement	Means of monitoring during period under review	Achieved
9. Beyond the mixing zone, discharge shall not affect the physical characteristics of receiving waters of the Waiwhakaiho River.	Inspections of the river	Yes
10. Beyond the mixing zone, the discharge shall not increase turbidity of the Waiwhakaiho River by more than 50%.	Inspections of the river, NTU measurement	Yes
11. Lapse clause	Consent exercised	N/A
12. Review Clause	Next review available in June 2020	N/A
Overall assessment of consent compliance and environmental performance in respect of this consent		Good
Overall assessment of administrative performance in respect of this consent		High

The company received a good rating for their consent compliance and a high rating for their administrative performance for consent 0720-4 for the 2013-2015 period. Due to a noncompliant suspended solids concentration in a discharge sample, special condition 8 of this consent was breached. All other quarry activities were assessed as compliant with the specified consent conditions.

Table 17 Summary of compliance with consent 3900-2 over the 2013-2015 monitoring period

Condition requirement	Means of monitoring during period under review	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
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.	Approval obtained	N/A
8. No discharge to occur within 20 metres of the top bank of the Waiwhakaiho River.	Inspections of site and river	Yes
9. Discharge to land shall not result in any contaminants entering surface water.	Inspections of site and river	Yes
10. Appropriate monitoring of dumped material to prevent unwanted contaminants in the cleanfill area	Inspections of site and liaison with consent holder	Yes
11. Discharge shall not affect the physical characteristics of receiving waters of the Waiwhakaiho River.	Inspections of site and river	Yes
12. Provision of environmental management plan detailing the reinstatement operation.	Management plan received 30 October 2009	Yes
13. Best practicable option to prevent or minimise adverse effects.	Site inspections	Yes

Condition requirement	Means of monitoring during period under review	Achieved
14. Site remediation requirement	Site inspection	N/A
15. Lapse clause	Consent exercised	N/A
16. Review clause	Next review available in June 2020	N/A
Overall assessment of consent compliance and environmental performance in respect of this consent		High
Overall assessment of administrative performance in respect of this consent		High

The Company received a high rating for their consent compliance and administrative performance for the 2013-2015 period in relation to consent 3900-2, as all cleanfill activities were assessed as compliant with the specified conditions of the consent.

Overall, Whitaker Civil Engineering Quarry has demonstrated a good level of environmental performance with the consents held. The Company's environmental performance rating was downgraded as a result of the non-compliance with drinking water quality standards (suspended solids) on 4 June 2015.

8.4. Alterations and recommendations for 2015-2017

It is recommended that monitoring of discharges for the 2015-2017 period from Whitaker Civil Engineering Quarry site at Waiwakaiho Road continue at the same level as in 2013-2015.



Winstone Aggregates Limited

20th Compliance Monitoring Biennial Report
2013-2015

9. Winstone Aggregates Limited

The Winstone Aggregates Limited site at Wiremu Road is located between two unnamed tributaries of the Manganui Stream in the Oaonui catchment.

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 treatment ponds. Washwater is treated through a series of five ponds, prior to being gravity fed to a large (former) excavation pit for recycling. Recycling minimises the volume of water abstracted for washing and discharge.



Figure 15 Winstone Aggregates Limited quarry site

9.1. Resource consents

1508-3 To take water from an unnamed tributary of the Manganui Stream in the Oaonui catchment for quarrying purposes.

Granted: 14 January 2000 **Review:** no further review options **Expiry:** 1 June 2018

1509-3 To discharge up to 200 litres per second of treated stormwater and up to 35 litres per second of treated waste washwater from quarrying operations into an unnamed tributary of the Manganui Stream in the Oaonui catchment.

Granted: 14 January 2000 **Review:** no further review options **Expiry:** 1 June 2018

Copies of consents are included in Appendix I.

9.2. Compliance monitoring programme

The Winstone Aggregates Limited monitoring programme includes three components, namely: programme management and liaison with consent holders and affected parties, site inspections, and chemical sampling when required.

9.3. Environmental and administrative performance summary

Five inspections were undertaken at the Wiremu Road quarry during the 2013-2015 period. The site was well maintained and generally tidy over the monitoring period. The site was appropriately bunded and contoured to direct all surface runoff to treatment ponds. When discharge was occurring during site inspections it was noted as being visually clear.



Figure 16 Winstone Aggregates Limited settling 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 2013-2015 monitoring period did not note any adverse effects occurring in the receiving waters.

Table 18 Summary of compliance with consent 1508-3 over the 2013-2015 monitoring period

Condition requirement	Means of monitoring during period under review	Achieved
1. Abstraction rate shall not exceed 25 litres per second.	Site inspections, review of abstraction records	Yes
2. Review clause.	No further review options prior to expiry in 2018	N/A
Overall assessment of consent compliance and environmental performance in respect of this consent		High
Overall assessment of administrative performance in respect of this consent		High

The company received a high rating for their consent compliance and administrative performance for consent 1508-3 for the 2013-2015 period. Abstraction activities were assessed as compliant with the specified consent conditions.

Table 19 Summary of compliance with consent 1509-3 over the 2013-2015 monitoring period

Condition requirement	Means of monitoring during period under review	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 aggregate washing area.	Site inspections	Yes
4. Appropriate recirculation systems implemented.	Site inspections	Yes
5. Bund and contour the active quarry area so that stormwater is directed for treatment prior to discharge.	Site inspections	Yes
6. Control erosion and minimise silt and sediment in the stormwater.	Inspections of site and downstream of discharge point	Yes
7. Progressive reinstatement of the quarry to minimise stormwater catchment and exposed earth areas.	Site inspections	Yes
8. Operate and maintain silt control structures to maximise the treatment of stormwater, and minimise duration and frequency of discharge.	Site inspections	Yes
9. Parameter concentration limits of discharge prior to release into receiving waters.	Sample collection	N/A
10. Beyond the mixing zone, discharge shall not affect the physical characteristics of receiving waters.	Inspections of the river	Yes
11. Prior to surrender of the consent the quarry site must be reinstated.	Site inspection	N/A
12. Maintenance of site contingency plan.	Contingency plan reviewed 24 August 2008.	Yes
13. Maximum discharge rate.	Site inspection	Yes

Condition requirement	Means of monitoring during period under review	Achieved
14. Maximum stormwater catchment area	Site inspections	Yes
15. Review clause.	No further review options prior to expiry in 2018	N/A
Overall assessment of consent compliance and environmental performance in respect of this consent		High
Overall assessment of administrative performance in respect of this consent		High

The company received a high rating for their consent compliance and administrative performance for consent 1509-3 during the 2013-2015 period, as all activities were assessed as compliant with the specified consent conditions.

9.4. Alterations and recommendations for 2015-2017

It is recommended that monitoring of discharges from the Winstone Aggregates Limited Wiremu Road site in the 2015-2017 period continue at the same level as in 2013-2015.

Glossary of common terms and abbreviations

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

Biomonitoring	Assessing the health of the environment using aquatic organisms.
Bund	A wall around a tank to contain its contents in the case of a leak.
Conductivity	Conductivity, an indication of the level of dissolved salts in a sample, usually measured at 20°C and expressed in mS/m.
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.
IR	The Incident Register contains a list of events recorded by the Council on the basis that they may have the potential or actual environmental consequences that may represent a breach of a consent or provision in a Regional Plan.
L/s	Litres per second.
mS/m	Millisiemens per metre.
Mixing zone	The zone below a discharge point where the discharge is not fully mixed with the receiving environment. For a stream, conventionally taken as a length equivalent to 7 times the width of the stream at the discharge point.
NTU	Nephelometric Turbidity Unit, a measure of the turbidity of water.
O&G	Oil and grease, defined as anything that will dissolve into a particular organic solvent (e.g. hexane). May include both animal material (fats) and mineral matter (hydrocarbons).
pH	A numerical system for measuring acidity in solutions, with 7 as neutral. Numbers lower than 7 are increasingly acidic and higher than 7 are increasingly alkaline. The scale is logarithmic i.e. a change of 1 represents a ten-fold change in strength. For example, a pH of 4 is ten times more acidic than a pH of 5.
Physicochemical	Measurement of both physical properties (e.g. temperature, clarity, density) and chemical determinants (e.g. metals and nutrients) to characterise the state of an environment.
Resource consent	Refer Section 87 of the RMA. Resource consents include land use consents (refer Sections 9 and 13 of the RMA), coastal permits (Sections 12, 14 and 15), water permits (Section 14) and discharge permits (Section 15).
RMA	<i>Resource Management Act</i> 1991 and including all subsequent amendments.
SS	Suspended solids.
Temp	Temperature, measured in °C (degrees Celsius).
Turb	Turbidity, expressed in NTU.
UI	Unauthorised Incident.

For further information on analytical methods, contact the Council's laboratory.

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Appendix I

Resource consents - alphabetical

(For a copy of the signed resource consent
please contact the TRC consent 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: C D Boyd
P O Box 44
INGLEWOOD

Consent Granted
Date: 8 June 2005

Conditions of Consent

Consent Granted: To discharge treated stormwater and treated washwater from a quarry site onto and into land and into an unnamed tributary of the Mangamawhete Stream a tributary of the Manganui River in the Waitara catchment at or about GR: Q20:114-142

Expiry Date: 1 June 2021

Review Date(s): June 2007, June 2009, June 2015

Site Location: Norfolk Road, Inglewood

Legal Description: Secs 9 & 10 Blk XII Egmont SD

Catchment: Waitara

Tributary: Manganui
Mangamawhete

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 3575 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 3575 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 Mangamawhete 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. Only rock and soil derived from the quarry site shall be used for reinstatement.
7. On reinstatement of the area described as quarry Block A the consent holder shall fence off a riparian buffer zone of at least 15 metres wide on the Mangamawhete Stream in the section shown as proposed fencing on Conservation Plan CP195.
8. Stock shall be excluded from accessing the active area of quarry Blocks A, B and C at all times.

9. The maximum disturbed stormwater catchment area shall be no more than two hectares at any one time.
10. The consent holder shall maintain a minimum riparian management zone of 13 metres wide in all areas covered under CP195.
11. 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.
12. 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 wastewater into the receiving waters of the Mangamawhete Stream, at a designated sampling point approved by the Chief Executive, Taranaki Regional Council.

13. After allowing for reasonable mixing within a mixing zone extending 25 metres downstream of the confluence between the unnamed tributary and the Mangamawhete Stream, the discharge shall not give rise to any of the following effects in the receiving waters of the Mangamawhete 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.
14. After allowing for reasonable mixing, within a mixing zone extending 25 metres downstream of the confluence of the unnamed tributary and Mangamawhete Stream, the discharge shall not give rise to an increase in the turbidity of Mangamawhete Stream of more than 50 %, as determined using NTU [nephelometric turbidity units].
15. Prior to the exercise of this consent, the consent holder shall provide a site plan, stormwater management plan, and contingency plan to the Taranaki Regional Council. These plans are to outline the measures and procedures to be undertaken to prevent the spillage or accidental discharge of contaminants into the stormwater catchment, and measures to avoid, remedy or mitigate environmental effects from the exercise of this consent.

16. 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.
17. 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.
18. 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 2009 and/or June 2015, 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 8 June 2005

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: OW Burgess & TH Crowley Partnership
[Owen Wayne Burgess & Thomas Harold Crowley]
P O Box 150
INGLEWOOD 4347

Consent Granted
Date: 23 June 2010

Conditions of Consent

Consent Granted: To discharge stormwater and groundwater seepage from
quarrying activities into an unnamed tributary of the Patea
River at or about (NZTM) 1717123E-5643515N

Expiry Date: 1 June 2028

Review Date(s): June 2016, June 2022

Site Location: East Road, Toko, Stratford

Legal Description: Pt Lots 9 & 14 DP 141 Blk III Ngaere SD

Catchment: Patea

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 to section 36 of the Resource Management Act.

Special conditions

1. That there shall be no direct discharge of untreated stormwater or groundwater from the quarry site into the unnamed tributary as a result of the exercise of this consent.
2. All runoff from any unvegetated 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. This consent does not authorise discharge from any aggregate-washing.
4. That 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, as far as is practicable.
5. The concentration of Suspended Solids shall not exceed 100 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 Patea River, at the Council's designated sampling point **STW002029**.
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 Patea River:
 - a) the production of any conspicuous oil or grease films, scums or foams, or floatable or suspended materials;
 - b) any conspicuous change in the colour or visual clarity;
 - c) any emission of objectionable odour;
 - d) the rendering of fresh water unsuitable for consumption by farm animals;
 - e) any significant adverse effects on aquatic life.
7. On cessation of quarrying operations the consent holder shall progressively reinstate the quarry site in a manner which ensures that the area of exposed, unvegetated earth, within the active quarry site is kept to a minimum at all times. This shall be undertaken to the satisfaction of the Chief Executive, Taranaki Regional Council.

Consent 3916-3

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 2016 and/or June 2022, 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 23 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: Burgess Crowley Partnership
P O Box 150
INGLEWOOD 4347

Decision Date: 10 September 2012

Commencement
Date: 10 September 2012

Conditions of Consent

Consent Granted: To discharge stormwater from a quarry site into the 'Toko Wetland' in the Patea River catchment at or about (NZTM) 1717192E-5643348N

Expiry Date: 1 June 2028

Review Date(s): June 2014, June 2016, June 2019, June 2022

Site Location: 526 East Road, Stratford (Property Lessee: C Johnstone)

Legal Description: Pt Lot 14 DP 141 (Discharge source and site)

Catchment: Patea

*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. Any discharge from the quarry shall be treated in a settlement pond of no less than 6000 m³.
2. The consent holder shall ensure that the quarrying operations are implemented in progressive stages, with only one active area of the quarry being open at any one time. This shall be undertaken in accordance with the details provided in the map and table attached as Appendix 2.
3. Within 3 months of the commencement of work on any new stage of the quarrying operations, the consent holder shall ensure that the previous stage of quarrying operations is reinstated to the satisfaction of the Chief Executive, Taranaki Regional Council.
4. This consent does not authorise discharge from any aggregate washing.
5. The active quarry site shall be contoured and bunded so that all water in this area is directed to the settlement pond for treatment prior to discharge, and the flow of uncontaminated stormwater into this area is prevented, as far as is practicable.
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 Patea River, at the Taranaki Regional Council's designated sampling point **STW002029**.
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 Patea River:
 - 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 30 September 2017, 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 7963-1

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 2014 and/or June 2016 and/or June 2019 and/or June 2022, 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 September 2012

For and on behalf of
Taranaki Regional Council

Director-Resource Management

Appendix 2 – Map and table showing the staged development of the Toko quarry



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

Name of
Consent Holder: Burgess Crowley Partnership
P O Box 150
INGLEWOOD 4347

Decision Date: 10 September 2012

Commencement
Date: 10 September 2012

Conditions of Consent

Consent Granted: To take and divert groundwater in the vicinity of the Patea River and the 'Toko Wetland' incidental to quarrying activities at or about (NZTM) 1717171E-5643429N

Expiry Date: 1 June 2028

Review Date(s): June 2014, June 2016, June 2019, June 2022

Site Location: 526 East Road, Stratford (Property Lessee: C Johnstone)

Legal Description: Pt Lot 14 DP 141 (Site of take)

Catchment: Patea

*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 to section 36 of the Resource Management Act.

Special conditions

1. Within 3 months of the commencement of this consent, the consent holder shall, after consultation with the Chief Executive, Taranaki Regional Council, install, and thereafter maintain, a minimum of three piezometers. The piezometers shall be at locations that enable regular monitoring to determine the effect that any change in groundwater level, resulting from the exercise of this consent, may have on the Patea River and Toko Wetland. The cost of installing and maintaining the piezometers shall be borne by the consent holder.
2. The consent holder shall maintain a record of the water levels in the piezometers (to an accuracy of ± 10 mm) by recording the water levels and the date and time of the reading at monthly intervals. This record shall be provided to the Chief Executive, Taranaki Regional Council, no later than 31 July of each year, or earlier upon request.
3. The piezometers shall be accessible to Taranaki Regional Council officer's at all reasonable times for inspection.
4. This consent shall lapse on 30 September 2017, 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.
5. In accordance with section 128 and section 129 of the Resource Management Act 1991, the Taranaki Regional Council may serve notice of its intention to review, amend, delete or add to the conditions of this resource consent by giving notice of review during the month of June 2014 and/or June 2016 and/or June 2019 and/or June 2022, 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 September 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: OW Burgess & TH Crowley Partnership
[Owen Wayne Burgess & Thomas Harold Crowley]
P O Box 150
INGLEWOOD 4347

Decision Date: 30 July 2010

Review Completed Date: 30 July 2010 [Granted: 15 December 2004]

Conditions of Consent

Consent Granted: To discharge cleanfill onto and into land for quarry
reinstatement purposes at or about (NZTM)
1717122E-5643560N

Expiry Date: 1 June 2022

Review Date(s): June 2010, June 2016

Site Location: East Road, Toko, Stratford

Legal Description: Pt Lots 9 & 14 DP 141 Blk III Ngaere SD

Catchment: Patea

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 in accordance with the documentation submitted in support of application 3439, but subject to the conditions of this consent. In the case of any contradiction between the documentation submitted in support of application 3439 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 conditions 3 & 5] 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 discharge to land shall not result in any contaminant entering surface water or groundwater.

Consent 6505-1

6. Silt retention structures shall be installed and maintained to the satisfaction of the Chief Executive, Taranaki Regional Council.
7. 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.
8. Within three months of granting of this consent the consent holder shall prepare and maintain a cleanfill management plan to the satisfaction of the Chief Executive, Taranaki Regional Council, and shall adhere to such plan in so far as it concerns the exercise of this consent at all times.
9. 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.
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 to the satisfaction of the Chief Executive, Taranaki Regional Council.
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 2010 and/or 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 30 July 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: Grant Cudby Contracting Limited
12 Beech Place
Hawera 4610

Decision Date: 10 August 2009

Commencement Date: 10 August 2009

Conditions of Consent

Consent Granted: To discharge treated stormwater and wastewater onto and into land from quarry activities

Expiry Date: 01 June 2024

Review Date(s): June 2012, June 2018

Site Location: Waiteika Road, Opunake

Legal Description: Pt Sec 44 & & Sec 45 Blk X Opunake SD

Grid Reference (NZTM) 1680465E-5634766N

Catchment: Waiteika

*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 active area of the quarry shall not exceed 1.5 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. 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. Notification by fax or post is acceptable only if the consent holder does not have access to email.
4. All earthwork areas shall be stabilised vegetatively or otherwise as soon as is practicable immediately following completion of soil disturbance activities.
5. This consent shall lapse on 30 September 2014, unless the consent is given effect to before the end of that period or the Taranaki Regional Council fixes a longer period pursuant to section 125(1)(b) of the Resource Management Act 1991.

Consent 7519-1

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 2012 and/or June 2018, 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 16 June 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: Grant Cudby Contracting Limited
12 Beech Place
Hawera 4610

Decision Date (Change): 29 July 2015

Commencement Date (Change): 19 August 2015 (Granted Date: 7 July 2011)

Conditions of Consent

Consent Granted: To discharge treated stormwater and incidental groundwater from a quarry site through land seepage and into Waingongoro River and its tributary

Expiry Date: 1 June 2029

Review Date(s): June 2016, June 2018, June 2020, June 2022, June 2024, June 2026, June 2028

Site Location: 277 Whenuku Road, Hawera

Legal Description: Sec 38 Patea District (Discharge source & site)

Grid Reference (NZTM) 1705816E-5623161N

Catchment: Waingongoro

*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 quarry activity shall be carried out in accordance with the details provided in the application and in particular, the following documents:
 - a) Proposed stream realignment and piping plan - Appendix 3 attached to this consent; and
 - b) Indicative stream reinstatement plan – Appendix 4 attached to this consent.

In the case of any contradiction between the application details and the conditions of this consent, the conditions of this consent shall prevail.

2. The stormwater discharged shall be from a catchment area not exceeding 7.73 hectares.
3. At least 30 days prior to commencing quarrying in each stage, the consent holder shall prepare, and subsequently maintain, a detailed stormwater management plan that documents how the site will be managed to ensure that stormwater and groundwater is adequately managed and treated prior to the discharge into the stream. Details of the management of each site shall include, but not necessarily limited to, the:
 - a) area and location of the stage to be quarried;
 - b) protection/ diversion/ modification of streams;
 - c) treatment of stormwater and incidental groundwater, prior to the discharge into surface water; and
 - d) measures and procedures to be undertaken to prevent the spillage of accidental discharge of contaminants in the stormwater catchment, and measures to avoid, remedy or mitigate the environmental effects of such spillage.

The consent holder shall forward the stormwater management plan to the Chief Executive, Taranaki Regional Council and Te Runanga o Ngaati Ruanui Trust. Te Runanga o Ngaati Ruanui Trust may provide comments to the Taranaki Regional Council within 20 working days of receipt. The final stormwater plan shall be certified by the Chief Executive, Taranaki Regional Council and followed at all times.

4. The consent holder shall install, properly maintain and operate the system of settling ponds as proposed and required in condition 1 of this consent, 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 ponds system shall be operated, as far as practicable, so as to minimise the duration and frequency of discharges.

Consent 7845-1.1

5. 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.

6. The obligation described in condition 5 above shall cease to apply, and accordingly the erosion and sediment control measures can be removed, in respect of any particular site or area of any site, only when the site is stabilised.

Note: For the purpose of this condition "stabilised" in relation to any site or area means inherently resistant to erosion or rendered resistant, such as by using rock or by the application of basecourse, colluvium, grassing, mulch, or another method to the reasonable satisfaction of the Chief Executive, Taranaki Regional Council and as specified in the Taranaki Regional Council's Guidelines for Earthworks in the Taranaki Region, 2006. Where seeding or grassing is used on a surface that is not otherwise resistant to erosion, the surface is considered stabilised once, on reasonable visual inspection by an officer of the Taranaki Regional Council, an 80% vegetative cover has been established.

7. There shall be no direct discharge of untreated stormwater or groundwater from the active quarry site into any surface water.
8. At least 7 working days prior to the commencement of each stage of the quarry activity, the consent holder shall notify the Taranaki Regional Council and Te Runanga o Ngaati Ruanui Trust 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 and gml@ruanui.co.nz.
9. 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.
10. The consent holder shall operate and progressively reinstate each stage of the quarry, prior to commencement of the next stage, 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.
11. 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 after leaving the treatment system and before entry of the treated stormwater into the receiving waters at a designated sampling point approved by the Chief Executive, Taranaki Regional Council.

Consent 7845-1.1

12. 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 in the receiving water 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 in the receiving water 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).
13. The consent holder shall notify the Chief Executive, Taranaki Regional Council and Te Runanga o Ngaati Ruanui Trust, 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 and gml@ruanui.co.nz.
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 2016 and/or June 2018, and/or June 2020, and/or June 2022, and/or June 2024, and/or June 2026, and/or June 2028 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 29 July 2015

For and on behalf of
Taranaki Regional Council

A D McLay
Director - Resource Management

Appendix 3: The proposed stream realignment and piping plan



- Piped tributary of the Waingongoro River (for retrospective consent)**
- Existing stream to be realigned, prior to the commencement of stage C.**
- Existing stream, partly quarried into a waterfall, to be piped, prior to the commencement of Stage A, to be day-lighted following the completion of Stage D.**
- Stream section to be piped prior to the commencement of Stage C quarrying, to be day-lighted following the completion of Stage D.**
- Stream section to be realigned, and to remain, as an open channel, prior to the commencement of Stage C. The stream shall be fenced and its margins riparian planted immediately following completion of the realignment.**
- Proposed wetland**

Appendix 4: Indicative Stream Reinstatement Plan



Following the completion of the quarrying operation:

-  Piped stream to remain piped
-  Piped stream sections to be 'day-lighted' to join the existing open channel upstream
-  Open stream to remain open
-  Proposed wetland

All open streams and wetland to be fenced and their margins riparian planted in accordance with the revised Riparian Management Plan prepared for the site.:

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

Name of
Consent Holder: Grant Cudby Contracting Limited
12 Beech Place
Hawera 4610

Decision Date: 29 July 2015

Commencement Date: 19 August 2015

Conditions of Consent

Consent Granted: To take groundwater incidental to quarrying operations

Expiry Date: 1 June 2029

Review Date(s): June 2017, June 2023

Site Location: 277 Whenuku Road, Hawera

Legal Description: Sec 38 Patea District (Site of take)

Grid Reference (NZTM) 1706046E-5623178N

Catchment: Waingongoro

*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 notify the Chief Executive, Taranaki Regional Council, in writing of the date that the activity is expected to commence. Notification shall occur by email to worknotification@trc.govt.nz and be provided at least 2 working days before.
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 groundwater.
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 2017 and/or June 2023, 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 29 July 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: Dennis Mark & Diane Lillian Bourke
158 Onewhaia Road
R D 13
HAWERA 4673

Decision Date: 19 January 2012

Commencement
Date: 19 January 2012

Conditions of Consent

Consent Granted: To discharge treated stormwater from a quarry site
into the Waingongoro River at or about (NZTM)
1707444E-5627164N

Expiry Date: 1 June 2029

Review Date(s): June 2017, June 2023

Site Location: Onewhaia Road, Te Roti

Legal Description: Te-Rua-O-Te-Moko 1C1 Pt 1C2 Blk I Hawera SD
(Discharge source & site)

Catchment: Waingongoro

*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 to section 36 of the Resource Management Act.

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. No aggregate washing shall take place at the quarry site.
3. All runoff from any unvegetated area shall pass through a settlement pond or sediment trap 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.
4. There shall be no direct discharge of untreated stormwater into surface water as a result of the exercise of this consent.
5. The active quarry site shall be contoured/bunded to:
 - ensure that all water generated in this area is directed to the stormwater treatment system prior to discharge; and
 - prevent the flow of uncontaminated stormwater into this area.
6. Constituents of the discharge shall meet the standards shown in the following table.

<u>Constituent</u>	<u>Standard</u>
suspended solids	Concentration not greater than 200 gm ⁻³
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 confluence with the unnamed tributary with the Patea River, the discharge shall not give rise to any or all of the following effects in the receiving water of the Patea River:
 - a) an increase of pH by more than 0.5 pH units;
 - b) the production of any conspicuous oil or grease films, scums or foams, or floatable or suspended materials;
 - c) any conspicuous change in colour or visual clarity;
 - d) any emission of objectionable odour;
 - e) the rendering of fresh water unsuitable for consumption by farm animals;
 - f) any significant adverse effects on aquatic life.

Consent 5001-2

8. The consent holder shall maintain a contingency plan. The contingency plan shall be adhered to in the event of a spill or emergency and shall, to the satisfaction of the Chief Executive, Taranaki Regional Council, detail measures and procedures to be undertaken to prevent spillage or accidental discharge of contaminants not authorised by this consent and measures to avoid, remedy or mitigate the environmental effects of such a spillage or discharge.
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 2017 and/or June 2023 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 19 January 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: Gibson Family Trust
(Trustees: Stephen Andrew & Amara Jane Gibson)
PO Box 35
Okato 4348

Decision Date: 3 February 2005

Commencement Date: 3 February 2005

Conditions of Consent

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

Expiry Date: 1 June 2019

Site Location: 202 Upper Newall Road, Newall

Legal Description: Pt Sec 11 Blk XIV Cape SD

Grid Reference (NZTM) 1679600E-5652220N

Catchment: Teikaparua (Warea)

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

General conditions

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

Special conditions

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

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

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

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 Warea [Teikaparua] River, at a designated sampling point approved by the Chief Executive, Taranaki Regional Council.

10. After allowing for reasonable mixing, within a mixing zone extending 25 metres downstream of the confluence of the unnamed tributary and the main stem of the Warea [Teikaparua] River, the discharge shall not give rise to any of the following effects in the receiving waters of the Warea [Teikaparua] River:

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

11. After allowing for reasonable mixing, within a mixing zone extending 25 metres downstream of the confluence of the unnamed tributary and the main stem of the Warea [Teikaparua] River, the discharge shall not give rise to an increase in turbidity of more than 50 % in the Warea [Teikaparua] River, as determined by NTU [nephelometric turbidity units].

12. The consent holder shall fence off the unnamed tributary above its confluence with the main stem of the Warea [Teikaparua] River to prevent stock access at all times to that area.

13. Prior to the exercise of this consent, the consent holder shall provide a site plan, stormwater management plan, and contingency plan to the Taranaki Regional Council. These plans are to outline the measures and procedures to be undertaken to prevent the spillage or accidental discharge of contaminants into the stormwater catchment, and measures to avoid, remedy or mitigate environmental effects from the exercise of this consent.

14. On cessation of quarrying operations or prior to the surrender or lapsing of this consent at the site licensed by this consent, the active quarry area, including the silt control structures, and surrounding areas shall be reinstated to the satisfaction of the Chief Executive, Taranaki Regional Council.

Consent 6441-1

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

Transferred at Stratford on 23 April 2015

For and on behalf of
Taranaki Regional Council

A D McLay
Director - Resource Management

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

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

Decision Date: 16 April 2013

Commencement Date: 16 April 2013

Conditions of Consent

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

Expiry Date: 1 June 2020

Review Date(s): June 2016

Site Location: 707 Puniho Road, Okato

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

Grid Reference (NZTM) 1677108E-5656011N

Catchment: Matanehunehu

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

General condition

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

Special conditions

1. The stormwater discharged shall be from a catchment area not exceeding 0.84 ha.
2. If any area of soil is exposed, all run off from that area shall pass through settlement ponds or sediment traps with a minimum total capacity of;
 - a) 100 cubic metres for every hectare of exposed soil between 1 November to 30 April; and
 - b) 200 cubic metres for every hectare of exposed soil between 1 May to 31 October;unless other sediment control measures that achieve an equivalent standard are agreed to by the Chief Executive of the Taranaki Regional Council.
3. The consent holder shall at all times adopt the best practicable option, as defined in section 2 of the Resource Management Act 1991, to prevent or minimise any actual or likely adverse effect on the environment associated with the discharge of contaminants from the site.
4. The area of the quarry site that is unvegetated shall be contoured and bunded so that all water in this area is directed to the stormwater treatment system prior to discharge.
5. After allowing for reasonable mixing within a mixing zone extending 10 metres downstream of the discharge point, the discharge shall not give rise to any of the following effects in the receiving waters of the unnamed tributary of the 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: 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.

Consent 6585-1

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

Transferred at Stratford on 19 December 2014

For and on behalf of
Taranaki Regional Council

A D McLay
Director - Resource Management

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

Name of
Consent Holder: Hey Trust
224 Monmouth Road
R D 24
STRATFORD

Consent Granted
Date: 10 July 2007

Conditions of Consent

Consent Granted: To discharge treated stormwater from a quarry site onto
and into land and into the Kahouri Stream in the Patea
catchment at or about 2618825E-6210055N

Expiry Date: 1 June 2022

Review Date(s): June 2010, June 2016

Site Location: 224 Monmouth Road, Stratford

Legal Description: Lot 2 DP 307233 Blk XIII Huiroa SD

Catchment: Patea

Tributary: Kahouri

Consent 7123-1

General conditions

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

Special conditions

1. The consent holder shall at all times adopt the best practicable option, as defined in section 2 of the Resource Management Act 1991, to prevent or minimise any adverse effects on the environment from the exercise of this consent.
2. The exercise of this consent shall be undertaken generally in accordance with the documentation submitted in support of application 4660 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 4660 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 Kahouri Stream as a result of the exercise of this consent.
4. The active quarry site shall be contoured and/or bunded so that all water generated in this area is directed to the silt control structures for treatment prior to discharge; and the flow of uncontaminated stormwater into this area is prevented.
5. The consent holder shall undertake measures during excavation to control erosion of exposed areas within the quarry site and to minimise the amounts of sediment contained in the stormwater discharge licensed by this consent.
6. The consent holder shall operate and progressively reinstate the quarry site in a manner which ensures that the area of exposed, unvegetated earth within the quarry's stormwater catchment is kept to a minimum at all times.
7. The maximum disturbed stormwater catchment area shall be no more than 1.0 hectare at any one time.

Consent 7123-1

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

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

Component	Concentration
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 Kahouri Stream, at a designated sampling point approved by the Chief Executive, Taranaki Regional Council.

10. After allowing for reasonable mixing, within a mixing zone extending 25 metres downstream of the discharge point to the Kahouri Stream, the discharge shall not give rise to any of the following effects in the receiving waters of the Kahouri 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 25 metres downstream of the discharge point to the Kahouri Stream, the discharge shall not give rise to an increase in turbidity of more than 50 % in the Kahouri Stream, as determined by NTU [nephelometric turbidity units].

12. The consent holder shall provide a site plan, stormwater management plan, and contingency plan to the Taranaki Regional Council. These plans are to outline the measures and procedures to be undertaken to prevent the spillage or accidental discharge of contaminants into the stormwater catchment, and measures to avoid, remedy or mitigate environmental effects from the exercise of this consent.

13. On cessation of quarrying operations, or prior to the surrender or lapsing of this consent at the site licensed by this consent, the active quarry area including 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.

Consent 7123-1

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 2010 and/or 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 10 July 2007

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: Inglewood Metal Limited
 P O Box 44
 INGLEWOOD

Consent Granted 20 May 2004
Date:

Conditions of Consent

Consent Granted: To discharge treated stormwater, treated groundwater and treated shingle washwater from quarry activities into an unnamed tributary of the Kurapete Stream a tributary of the Manganui River in the Waitara catchment at or about GR: Q19:206-299

Expiry Date: 1 June 2015

Review Date(s): June 2009, June 2012

Site Location: Everett Road, Inglewood

Legal Description: Pt Secs 15, 16 & 17 Blk XIII Waitara SD

Catchment: Waitara

Tributary: Manganui
 Kurapete

Consent 1113-4

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 conducted in accordance with the information submitted in support of the application and to ensure that the conditions of this consent are met at all times.
2. At all times the consent holder shall adopt the best practicable option [as defined in Part 2 of the Act] to prevent or minimise any actual or likely adverse effect on the environment associated with the discharges including, but not limited to, the water quality and aquatic habitat of the receiving waters of the Kurapete Stream.
3. The active quarry stormwater catchment shall have a maximum area of no more than 2 hectares.
4. There shall be no direct discharge of untreated stormwater, groundwater or waste washwater from the active quarry site into the unnamed tributary of the Kurapete Stream as a result of the exercise of this consent.
5. 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.
6. The active quarry site shall be contoured/bunded so that all water generated in this area is directed to silt retention systems for treatment prior to discharge, and to prevent the flow of uncontaminated stormwater into the quarry, as far as is practicable.
7. The consent holder shall undertake measures to minimise the amounts of silt and sediment that could be contained in the discharge licensed by this consent.
8. The consent holder shall operate and progressively reinstate the quarry in a manner that minimises the quarry stormwater catchment area and ensures that the area of exposed unvegetated earth within the quarry stormwater catchment is kept to a minimum at all times.
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 minimise the duration, frequency and rate of the discharge.

Consent 1113-4

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

Component	Concentration
pH (range)	6-9
Suspended solids	100gm ⁻³
Total recoverable hydrocarbons	15gm ⁻³

This condition shall apply prior to the entry of any discharge into the receiving waters of the unnamed tributary of the Kurapete Stream, at a designated sampling point approved by the Chief Executive.

11. After allowing for reasonable mixing, within a mixing zone extending 25 metres downstream of the confluence of the unnamed tributary with the Kurapete Stream, the discharge shall not give rise to any of the following effects in the receiving waters of the Kurapete 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.
12. After allowing for reasonable mixing, within a mixing zone extending 25 metres downstream of the confluence of the unnamed tributary with the Kurapete Stream, the discharge shall not give rise to either of the following effects in the receiving waters of the of the Kurapete Stream:
- an increase in suspended solids concentration in excess of 10 gm⁻³, when the stream turbidity as measured immediately upstream of the confluence of the unnamed tributary with the Kurapete Stream is equal to or less than 5 NTU [nephelometric turbidity units]; or
 - an increase in turbidity of more than 50% when the stream turbidity as measured immediately upstream of the confluence of the unnamed tributary with the Kurapete Stream is greater than 5 NTU [nephelometric turbidity units].
13. 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.
14. The consent holder shall maintain a contingency plan to the satisfaction of the Chief Executive, outlining measures and procedures to be undertaken to prevent the spillage or accidental discharge of contaminants in the stormwater catchment, and measures to avoid, remedy, or mitigate the environmental effects of such a spillage or discharge.
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 2009 and/or June 2012, 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 20 May 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
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.

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: 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

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

Name of
Consent Holder: Taunt Contracting Limited
775 Bird Road
R D 23
STRATFORD 4393

Decision Date: 25 August 2010

Commencement
Date: 25 August 2010

Conditions of Consent

Consent Granted: To discharge treated stormwater and washwater from a quarry and shingle washing operation onto and into land and into an unnamed tributary of the Patea River at or about (NZTM) 1718948E-5643337N

Expiry Date: 1 June 2028

Review Date(s): June 2016, June 2022

Site Location: Bird Road, Stratford

Legal Description: Lot 4 DP 349679 [Discharge source & discharge site]

Catchment: Patea

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 to section 36 of the Resource Management Act.

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. All runoff from any unvegetated 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. There shall be no direct discharge of untreated stormwater or washwater into surface water as a result of the exercise of this consent.
4. The active quarry site shall be contoured/bunded to:
 - ensure that all water generated in this area is directed to the stormwater treatment system prior to discharge; and
 - prevent the flow of uncontaminated stormwater into this area.
5. Constituents of the discharge shall meet the standards shown in the following table.

<u>Constituent</u>	<u>Standard</u>
suspended solids	Concentration not greater than 200 gm ⁻³
oil and grease	Concentration not greater than 15 gm ⁻³

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

Consent 5002-2

6. After allowing for reasonable mixing, within a mixing zone extending 75 metres downstream of the confluence with the unnamed tributary with the Patea River, the discharge shall not give rise to any or all of the following effects in the receiving water of the Patea River:
 - a) an increase of pH by more than 0.5 pH units;
 - b) a decrease in river clarity of more than 50%;
 - c) the production of any conspicuous oil or grease films, scums or foams, or floatable or suspended materials;
 - d) any conspicuous change in colour or visual clarity;
 - e) any emission of objectionable odour;
 - f) the rendering of fresh water unsuitable for consumption by farm animals;
 - g) any significant adverse effects on aquatic life.
7. The consent holder shall maintain a contingency plan. The contingency plan shall be adhered to in the event of a spill or emergency and shall, to the satisfaction of the Chief Executive, Taranaki Regional Council, detail measures and procedures to be undertaken to prevent spillage or accidental discharge of contaminants not authorised by this consent and measures to avoid, remedy or mitigate the environmental effects of such a spillage or discharge.
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 2016 and/or June 2022 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 August 2010

For and on behalf of
Taranaki Regional Council

Director-Resource Management

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 2 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. 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 and/or June 2022, 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 28 May 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: Waverley Bulk Transport Limited
 2 Bear Street
 Waverley 4510

Decision Date: 20 November 2014

Commencement Date: 20 November 2014

Conditions of Consent

Consent Granted: To discharge cleanfill onto and into land

Expiry Date: 01 June 2034

Review Date(s): June 2022, June 2028

Site Location: Rangitatau Road West, Maxwell

Legal Description: Lots 5 & 6 DP 77930 Blks V & VI Nukumarū SD
(Discharge site)

Grid Reference (NZTM) 1759157E-5595928N

Catchment: Waitotara

Tributary: Makokako

*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 discharge of cleanfill shall only occur in the area shaded yellow on the plan attached as 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), cured asphalt, 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. The discharge to land shall not result in any solid contaminant entering surface water or groundwater.
6. Silt retention structures shall be installed and maintained at the toe of the cleanfill discharge area to minimise silt and sediment discharge. Installing silt retention structures in accordance with *Guidelines for Earthworks in the Taranaki region*, by the Taranaki Regional Council, will achieve compliance with this condition.
7. The consent holder shall install and maintain stormwater diversion drains to minimise stormwater entering the cleanfill discharge area to the satisfaction of the Chief Executive, Taranaki Regional Council.
8. The consent holder shall at all times adopt the best practicable option or options (as defined in section 2 of the Resource Management Act 1991) to prevent or minimise any actual or potential effect on the environment arising from any discharge at the site.

Consent 9972-1.2

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 December 2019, 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 2022 and/or June 2028, 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 20 November 2014

For and on behalf of
Taranaki Regional Council

A D McLay
Director - Resource Management

Appendix 1



Figure 4 Area where the discharge of cleanfill is permitted.

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 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: 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.

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

Signed at Stratford on 30 January 2008

For and on behalf of
Taranaki Regional Council

Director-Resource Management

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

Name of
Consent Holder: Winstone Aggregates Limited
 P O Box 17195
 Greenlane
 AUCKLAND 1546

Change To 25 July 2008 [Granted: 14 January 2000]
Conditions Date:

Conditions of Consent

Consent Granted: To discharge up to 200 litres per second of treated stormwater and up to 35 litres per second of treated waste washwater from quarrying operations into an unnamed tributary of the Manganui Stream in the Oaonui catchment at or about (NZTM) 1678941E-5642442N

Expiry Date: 1 June 2018

Review Date(s): June 2012

Site Location: Wiremu Road Quarry, Wiremu Road, Opunake

Legal Description: Lot 1 DP 17648 Pt Ngatitara 32 DP 682 Lots 3 & 4 DP 9331 Secs 10, 11, 12 & Pt Sec 1 Blk VII Opunake Lot 25 DP 792 Sec 1 SO 13192 Secs 1-3 SO 13207 Blks III & VII Opunake SD

Catchment: Oaonui

Tributary: Manganui

*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

Condition 1 [new]

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.

Condition 2 - 12 [unchanged]

2. That there shall be no direct discharge of untreated stormwater or washwater from the active quarry site into the unnamed tributary of the Manganui Stream as a result of the exercise of this consent.
3. That the area used for the washing of aggregate shall be bunded/contoured to ensure separation from the stormwater catchment.
4. That the consent holder shall implement appropriate recirculation systems, so as to minimise the volume of the washwater discharge.
5. That the active quarry site shall be contoured/bunded so that all stormwater 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. That 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 licensed by this consent.
7. 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.

Consent 1509-3

8. 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.
9. That the following concentrations shall not be exceeded in the discharge effluent:

Component	Concentration
pH [range]	6-9
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 Manganui Stream, at a designated sampling point.

10. That after allowing for reasonable mixing, within a mixing zone extending 25 metres downstream of the discharge points, the discharge shall not give rise to any of the following effects in the receiving waters of the unnamed tributary of the Manganui Stream:
 - a) the production of any conspicuous oil or grease films, scums or foams, or floatable or suspended materials;
 - b) any conspicuous change in the colour or visual clarity;
 - c) any emission of objectionable odour;
 - d) the rendering of fresh water unsuitable for consumption by farm animals;
 - e) any significant adverse effects on aquatic life.
11. That 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.
12. That the consent holder shall maintain a contingency plan for the site, outlining measures and procedures to be undertaken to prevent the spillage or accidental discharge of contaminants, and the procedures to be carried out should such a spillage occur.

Condition 13 [new]

13. The maximum rate for the discharge of treated stormwater and aggregate washing water does not exceed 235 litres per second.

Condition 14 [new]

14. That the maximum area of the active quarry stormwater catchment shall be no more than 40 hectares.

Consent 1509-3

Condition 15 [previously condition 13]

15. That the Taranaki Regional Council may review any or all of the conditions of this consent by giving notice of review during the month of June 2012, 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 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 July 2008

For and on behalf of
Taranaki Regional Council

Director-Resource Management

Water Permit

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

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

Consent Granted
Date: 14 January 2000

Conditions of Consent

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

Expiry Date: 1 June 2018

Review Date(s): June 2006, June 2012

Site Location: Wiremu Road Quarry, Wiremu Road, Opunake

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

Catchment: Oaonui

Tributary: Manganui
Unnamed tributary

General conditions

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

Special conditions

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

Transferred at Stratford on 10 July 2000

For and on behalf of
Taranaki Regional Council

General Manager