

Regional Quarry Compliance Monitoring
Combined Biennial Report
Group A
2015-2017

Technical Report 2017-109

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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 51 resource consents, authorising water discharges and abstractions, discharges of cleanfill and stream modifications. This report covers the period July 2015 to June 2017, and will be the second report to incorporate the monitoring results of this group of quarries into one streamlined report.

There are two biennial streams in which quarry monitoring programmes are reported. This report spans July 2015-June 2017; a reporting period which incorporates 16 of the region's 26 quarries (Group A). The monitoring programmes for another nine quarries will be included in a separate biennial report (Group B), which will cover the period July 2016-June 2018. Civil Quarries Limited's Everett Road quarry is reported on separately.

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

During the monitoring period:

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

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

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

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

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

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

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

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

CD Boyd demonstrated an overall high level of environmental performance.

Hey Trust demonstrated an overall high level of environmental performance.

Horizon Trust Limited – Whenuku Road demonstrated an overall high level of environmental performance.

Horizon Trust Limited – Waiteika Road demonstrated an overall high level of environmental performance.

DM & DL Bourke demonstrated an overall high level of environmental performance.

Burgess & Crowley Partnership demonstrated an overall level of environmental performance which required improvement.

Taunt Contracting Limited demonstrated an overall high level of environmental performance.

Ravensdown Windy Point Quarry Limited demonstrated an overall high level of environmental performance.

For reference, in the 2015-2016 year, 71% 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 24% demonstrated a good level of environmental performance and compliance with their consents.

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

This report includes recommendations for the 2017-2019 monitoring period for each consent holder.

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1 Introduction

1.1 Compliance monitoring programme reports and the Resource Management Act 1991

1.1.1 Introduction

This report is the third combined biennial report by the Taranaki Regional Council (the Council) for the quarry monitoring programmes in the region. There are two biennial streams in which quarry monitoring programmes are reported (Figure 1). This report covers the period from July 2015 to June 2017; including monitoring results from 16 of the region's 26 quarries (Group A). The monitoring results for another nine quarries are reported in a separate biennial cycle (Group B), with the next report scheduled to cover the period from July 2016 to June 2018. One quarry, Civil Quarries Limited's Everett Road Quarry, is reported on separately due to its scale and recent monitoring history.

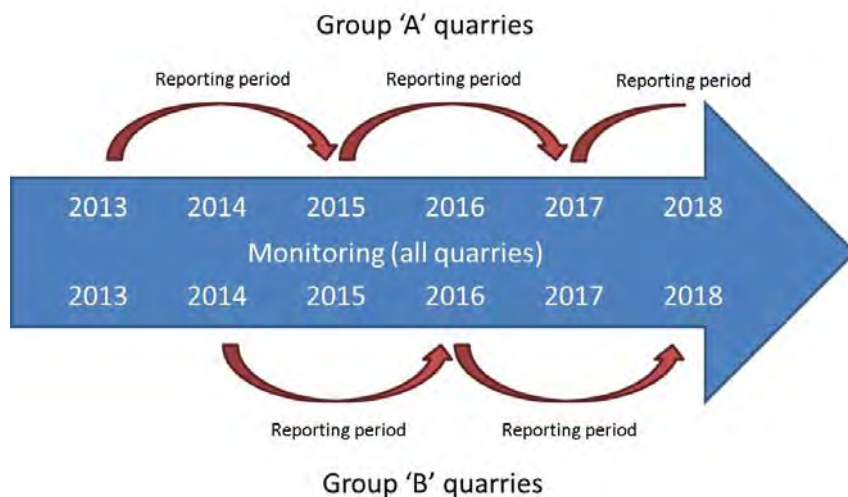


Figure 1 Reporting cycles for both combined quarry groups

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

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

1.1.2 Structure of this report

Section 1 of this report is a background section. It sets out general information about compliance monitoring under the RMA and the Council's obligations and general approach to monitoring and evaluating sites through site specific programmes, the resource consents held by quarry operators in the region, and a description of the components of quarry monitoring programmes.

Sections 2-17 of this report present the monitoring results and evaluate each site in terms of their administrative and environmental performance. These sections are presented in a 'report card' style which follows a standard format, as explained below:

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

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

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

1.1.3 The Resource Management Act 1991 and monitoring

The Resource Management Act 1991 (RMA) primarily addresses environmental 'effects' which are defined as positive or adverse, temporary or permanent, past, present or future, or cumulative. Effects may arise in relation to:

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

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

1.1.4 Evaluation of environmental performance and administrative compliance

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

Environmental performance is concerned with actual or likely effects on the receiving environment from the activities during the monitoring year. Administrative compliance is concerned with the Company's approach to demonstrating consent compliance in site operations and management including the timely provision of

information to Council (such as contingency plans and water take data) in accordance with consent conditions.

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

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

Environmental Performance

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

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

For example:

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

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

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

Administrative performance

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

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

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

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

For reference, in the 2015-2016 year, 71% 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 24% demonstrated a good level of environmental performance and compliance with their consents.

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

1.1.5 Quarrying in Taranaki

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

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

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

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

Regional councils have no control over the provision of exclusive rights to minerals. However, regional councils do have control over the environmental effects of aggregate extraction from river and lake beds, and land in certain circumstances, and these controls may act as a constraint or limitation on allocation decisions.

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

discharges, such as emissions to air from crushing and processing plants, disposal of spoil and solid wastes, and discharges of stormwater are also the responsibility of regional councils.



Figure 2 Map showing monitored quarrying locations in Taranaki

1.2 Resource consents

1.2.1 Water discharge permits

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

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

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

All 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 seven monitored quarries in Taranaki that hold a water abstraction consent. Only three of these quarries actively take water for use in quarry operations, the remaining four hold consents to take groundwater incidental to quarrying activity.

1.2.3 Discharges of wastes to land

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

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

1.2.4 Summary of resource consents held for Taranaki quarries

A summary of resource consents held by Group A quarries (reported here, covering the 2015-2017 monitoring period) is presented in Table 1.

Table 1 Resource consents held by Group A quarries

Consent holder	Consent number	Consent type	Next review	Location
AA Contracting	5651-2	D _s , D _w	1 June 2032	Te Arei Rd, Lepperton
Boyd Landfarm Quarry	6569-1	D _s , D _w	Expires 1 June 2021	Norfolk Rd, Inglewood
Burgess & Crowley	7963-1	D _s	1 June 2019	East Rd, Stratford
	7964-1	IGT	1 June 2019	East Rd, Stratford
	6505-1	D _c	1 June 2019	East Rd, Stratford
Horizon Trust Management Limited, Waiteika Road	7519-1	D _s , D _w	1 June 2018	Waiteika Rd, Opunake
Horizon Trust Management Limited, Whenuku Road	7845-1.1	D _s , D _G	1 June 2018	Whenuku Rd, Hawera
	10017-1	SM	1 June 2023	Whenuku Rd, Hawera
	10018-1	IGT	1 June 2023	Whenuku Rd, Hawera
D M Bourke	5001-2	D _s	1 June 2023	Onewhaia Rd, Te Roti
	9933-1	D _G	1 June 2023	Onewhaia Rd, Te Roti
	9934-1	IGT	1 June 2023	Onewhaia Rd, Te Roti
Gibson Family Trust, Newall Road	6441-1	D _s	Expires 1 June 2019	Upper Newall Rd, Newall
Gibson Family Trust, Puniho Road	9547-1	D _s	Expires 1 June 2020	Puniho Rd, Okato
Goodin AG Limited	6585-1	D _s	Expires 1 June 2019	Kahui Rd, Rahotu
Hey Family Trust Limited	7123-1	D _s	Expires 1 June 2022	Monmouth Rd, Stratford
Jones Quarry Limited	3888-4	D _s	1 July 2020	Hydro Rd, New Plymouth
	3912-4	D _w	1 June 2020	Hydro Rd, New Plymouth
	4912-2	D _c	1 June 2020	Hydro Rd, New Plymouth

Consent holder	Consent number	Consent type	Next review	Location
RJ Dreaver	9526-1	D _s	1 June 2020	Kairau Road, Brixton
	9527-1	D _c	1 June 2020	Kairau Road, Brixton
Taunt Contracting	5002-2	D _s , D _w	1 June 2022	Bird Rd, Stratford
Ravensdown Windy Point Quarry Limited	9570-1	D _s	1 June 2022	Rangitatau West Rd, Waitotara
	9972-1.2	D _c	1 June 2022	Rangitatau West Rd, Waitotara
Whitaker Civil Engineering Limited	7236-1	D _s	1 June 2020	Waiwhakaiho Rd, New Plymouth
	3900-2	D _c	1 June 2020	Waiwhakaiho Rd, New Plymouth
	0720-4	D _w	1 June 2020	Waiwhakaiho Rd, New Plymouth
Wiremu Road Quarry Limited (Winstone Aggregates Limited)	1509-3	D _s , D _w	Expires 1 June 2018	Wiremu Rd, Opunake
	1508-3	T	Expires 1 June 2018	Wiremu Rd, Opunake

KEY: D_s discharge treated stormwater D_w discharge treated wash/wastewater D_G discharge treated groundwater
D_c discharge cleanfill T take water for quarrying purposes IGT incidental groundwater take
SM stream modifications

A summary of resource consents held by Group B quarries (next scheduled for reporting in 2018, covering the 2016-2018 monitoring period) is presented in Table 2.

Table 2 Resource consents held by Group B quarries

Consent holder	Consent number	Consent type	Next review	Location
Horizon Trust Management Limited, Maxwell	9464-1	D _s	1 June 2022	Rangitatau West Road, Maxwell
Vickers Quarries Limited, York Road	4905-3.1	D _s , D _G , D _w	1 June 2018	York Road, Midhirst
	5218-2.1	D _s , D _G	1 June 2018	York Road, Midhirst
	9850-1	IGT	1 June 2018	York Road, Midhurst
	9812-1.1	SM	1 June 2018	York Road, Midhurst
	7615-1	D _c	1 June 2021	York Road, Midhirst
Vickers Quarries Limited, Toko Road	3564-3	D _s , D _w	1 June 2020	Toko Road, Stratford

Consent holder	Consent number	Consent type	Next review	Location
R A Wallis Limited, Omahuru Road	5719-1	D _s , D _G , D _w	1 June 2017	Omahuru Road, Okaiawa
R A Wallis Limited, Lower Glenn Road	9600-1	D _s	1 June 2017	Lower Glenn Road, Manaia
Ferndene Quarries Limited	6453-1	D _s	Expires June 2020	Upland Road, Tarurutangi
	7089-1	D _C	1 June 2020	Upland Road, Tarurutangi
Taranaki Trucking Company Limited	2293-3	T	1 June 2018	Wiremu Road, Opunake
	2184-3	D _w	1 June 2018	Wiremu Road, Opunake
GR and LJ Jones	6274-1	D _s , D _w	Expires June 2020	Mahoetahi Road, Waitara
	7439-1	D _C	1 June 2020	Mahoetahi Road, Waitara
Jones Quarry Limited, Uruti	5124-2	D _s	1 June 2021	Main North Road, Uruti
	6272-1.1	D _w	Expires June 2021	Main North Road, Uruti
	10143-1	SM	1 June 2021	Mokau North Road, Uruti
	10146-1	T	1 June 2021	Mokau North Road, Uruti

KEY: D_s discharge treated stormwater D_w discharge treated wash/wastewater D_G discharge treated groundwater
D_C discharge cleanfill T take water IGT incidental groundwater take
SM stream modifications

Note: Bold review dates occur prior to next biennial report (2016-2018)

1.3 Monitoring programme overview

1.3.1 Introduction

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

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

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

1.3.2 Programme liaison and management

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

- ongoing liaison with resource consent holders over consent conditions and their interpretation and application;
- in discussion over monitoring requirements;
- preparation for any reviews;
- renewals;

- new consents;
- advice on the Council's environmental management strategies and content of regional plans; and
- consultation on associated matters.

1.3.3 Site inspections

Each quarry is subject to a number of physical inspections during each monitoring period. The number of inspections is dependent 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 Data review

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

1.3.6 Biomonitoring surveys

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

1.4 Investigations, interventions, and incidents

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

The Council operates and maintains a register of all complaints or reported and discovered excursions from acceptable limits and practices, including non-compliance with consents, which may damage the environment. The 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 conditions in resource consents or provisions in Regional Plans during the 2015-2017 period.

2 AA Contracting Limited – Arei Road 11th Compliance Monitoring Biennial Report 2015-2017

2.1 Introduction

The AA Contracting Limited site at Te Arei Road is located on the true left bank of the Mangaoraka Stream in Lepperton and is located 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 washwater when necessary.



Figure 3 AA Contracting Ltd Quarry site

2.2 Resource consents

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.

2.3 Compliance monitoring programme

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

2.4 Environmental and administrative performance summary

Six inspections were undertaken at the Te Arei Road quarry during the 2015-2017 period. The site was generally well maintained and tidy over the monitoring period, and all consent conditions were being complied with. No objectionable dust or odour effects were observed, bunding was well maintained and site contouring was adequately directing all contaminated runoff to the stormwater settlement ponds. It was noted on one inspection that works could be undertaken to clean some sediment out of the settlement ponds, otherwise no issues were noted.

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 2015-2017 monitoring period did not note any adverse effects occurring in the receiving waters.

A tabular summary of the Company's compliance record for the period under review is set out in Table 3.

Table 3 Summary of compliance with consent 5651-2.0 during the 2015-2017 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
5. Treatment system bunded to prevent inflow of surrounding stormwater	Site inspections	Yes
6. Progressive reinstatement of the quarry to minimise the area of exposed earth and stormwater catchment.	Site inspections	Yes
7. Best practicable option to prevent or minimise adverse effects	Site inspections	Yes
8. Treated stormwater to comply with chemical limits prior to discharge into receiving waters.	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 Company received a high rating for their consent compliance and administrative performance in the monitoring period from 1 July 2015 to 30 June 2017, as all quarry activities were compliant with the specified consent conditions.

2.5 Alterations and recommendations for 2017-2019

It is proposed that for the 2017-2019 monitoring period that the programme is altered from that of 2015-2017. It is recommended that monitoring of discharges from AA Contracting Limited's Te Arei Road site in the 2017-2019 period be reduced to two inspections per year (one to occur during the summer months, and the other to occur during wet weather), with discharge samples to be collected if warranted.

3 Gibson Family Trust – Newall Road 6th Compliance Monitoring Biennial Report 2015-2017

3.1 Introduction

The Gibson Family Trust site at Newall Road is located on the true left bank of an unnamed tributary of the Teikaparua River, in the Teikaparua (Warea) catchment. 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

3.2 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.

3.3 Compliance monitoring programme

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

3.4 Environmental and administrative performance summary

Four inspections were undertaken at the Newall Road quarry during the 2015-2017 period. The site was found to be operating within consent conditions during all inspections, it was noted on one occasion however, that the site was approaching its limit on available quarrying area (0.5 hectares). Process areas were appropriately bunded and contoured to direct all runoff to the stormwater settlement ponds. No dust or odour effects were observed, and no impacts on surface water bodies were observed.



Photo 1 Gibson Family Trust Newall Road site

The Council monitors for possible effects on stream life by conducting a visual inspection of the discharge from the quarry and streambed both up and downstream of the quarry discharge point. Inspections of the site over the 2015-2017 monitoring period did not note any adverse effects occurring in the receiving waters.

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

Table 4 Summary of compliance with consent 6441-1 during the 2015-2017 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

Condition requirement	Means of monitoring during period under review	Achieved
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 Company received a high rating for their consent compliance and administrative performance in the monitoring period from 1 July 2015 to 30 June 2017, as all quarry activities were compliant with the specified consent conditions.

3.5 Alterations and recommendations for 2017-2019

It is recommended that the monitoring of Gibson Family Trust's Newall Road quarry site in the 2017-2019 period continues at the same level as in 2015-2017.

4 Gibson Family Trust – Puniho Road 2nd Compliance Monitoring Biennial Report 2015-2017

4.1 Introduction

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 5 Gibson Family Trust Puniho Road quarry site

4.2 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.

4.3 Compliance monitoring programme

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

4.4 Environmental and administrative performance summary

Six inspections were undertaken at the Gibson Family Trust Puniho Road quarry during the 2015-2017 period. A relatively low level of site activity was noted on most inspections, with the site either appearing inoperative or some processing of product being undertaken. The site was well maintained and generally tidy during the inspections, with appropriate bunding in place to direct all runoff to the stormwater treatment systems and prevent runoff leaving the site. No impacts on the receiving waters of the unnamed tributary were observed and the Company were assessed as being compliant with all consent conditions during the scheduled inspections.



Photo 2 Puniho Road quarry site showing processing equipment and stockpiles

The Council monitors for possible effects on stream life by conducting a visual inspection of the discharge from the quarry and streambed both up and downstream of the quarry discharge point. Inspections of the site over the 2015-2017 monitoring period did not note any adverse effects occurring in the receiving waters.

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

Table 5 Summary of compliance with consent 9547-1 over the 2015-2017 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

Condition requirement	Means of monitoring during period under review	Achieved
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 Company received a high rating for their consent compliance and administrative performance in the monitoring period from 1 July 2015 to 30 June 2017, as all quarry activities were compliant with the specified consent conditions.

4.5 Alterations and recommendations for 2017-2019

It is proposed that for the 2017-2019 monitoring period that the programme is altered from that of 2015-2017. It is recommended that monitoring of discharges from Gibson Family Trust's Puniho Road site in the 2017-2019 period be reduced to two inspections per year (one to occur during the summer months, and the other to occur during wet weather), with discharge samples to be collected if warranted.

5 Goodin AG Limited- Kahui Road 6th Compliance Monitoring Biennial Report 2015-2017

5.1 Introduction

The Goodin AG Limited site at Kahui Road is located on the true right bank of an unnamed tributary of the Pungaereere Stream, in the Pungaereere catchment, located in 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 6 Goodin AG Limited quarry site

5.2 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.

5.3 Compliance monitoring programme

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

5.4 Environmental and administrative performance summary

Four inspections were undertaken at the Goodin AG Limited quarry during the 2015-2017 period. The site was well maintained and generally tidy. There was a relatively low level of activity at this site during the monitoring period under review, with some processing of stockpiled product observed during inspections. The site was considered to be appropriately bunded to capture and direct any runoff to the settlement pond, with no discharges to the receiving environment observed.



Photo 3 Goodin AG Limited quarry site

The Council monitors for possible effects on stream life by conducting a visual inspection of the discharge from the quarry and streambed both up and downstream of the quarry discharge point. Inspections of the site over the 2015-2017 monitoring period did not note any adverse effects occurring in the receiving waters.

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

Table 6 Summary of compliance with consent 6585-1 over the 2015-2017 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
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

Condition requirement	Means of monitoring during period under review	Achieved
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 Company received a high rating for their consent compliance and administrative performance in the monitoring period from 1 July 2015 to 30 June 2017, as all quarry activities were compliant with the specified consent conditions.

5.5 Alterations and recommendations for 2017-2019

It is recommended that the monitoring of Goodin AG Limited's Kahui Road quarry site in the 2017-2019 period continues at the same level as in 2015-2017.

6 Jones Quarry Limited – Hydro Road

22nd Compliance Monitoring Biennial Report 2015-2017

6.1 Introduction

Jones Quarry Limited's Hydro Road quarry is located on the true left bank of the Waiwhakaiho River, in the Waiwhakaiho catchment, approximately 3.5 km south east of New Plymouth. 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 7 Jones Quarry and cleanfill site

6.2 Resource consents

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
3912-4		
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.

6.3 Compliance monitoring programme

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

6.4 Environmental and administrative performance summary

Eight inspections were undertaken at Jones Quarry Limited during the 2015-2017 period. The site was noted as being well managed and generally tidy over the monitoring period. The site was appropriately bunded and contoured to contain and direct all runoff to the treatment ponds. Any discharges from the water treatment and cleanfill areas were running clear at the times inspections were conducted. There was no visual impact on the Waiwhakaiho River noted during any of the inspections. The cleanfill area appeared to only contain inert cleanfill material. Site development was being undertaken to upgrade the water treatment system as planned in the previous monitoring period. On one occasion, a small slip had occurred on the true left bank of the Waiwhakaiho River near the crusher and product bins. The slip had not impacted the site operations, but the Inspecting Officer advised site management to monitor the slip and undertake erosion protection works if required. Subsequent inspections noted no further risk from this slip.

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 2015-2017 monitoring period did not note any adverse effects occurring in the receiving waters.

A tabular summary of the Company's compliance record for the period under review is set out in Tables 7-9.

Table 7 Summary of compliance with consent 3888-4.0 over the 2015-2017 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

Condition requirement	Means of monitoring during period under review	Achieved
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.	Reviewed December 2013	Yes
12. Notification prior to any changes in processes or operations at the site.	Notification given prior to upgrade of water treatment systems	Yes
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 in the monitoring period from 1 July 2015 to 30 June 2017, as all quarry activities were compliant with the specified consent conditions.

Table 8 Summary of compliance with consent 3912-4.0 over the 2015-2017 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 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

Condition requirement	Means of monitoring during period under review	Achieved
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.	Reviewed December 2013	Yes
12. Notification prior to any changes in processes or operations at the site.	Notification given prior to upgrade of water treatment systems	Yes
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 in the monitoring period from 1 July 2015 to 30 June 2017, as all quarry activities were compliant with the specified consent conditions.

Table 9 Summary of compliance with consent 4912-2 over the 2015-2017 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

Condition requirement	Means of monitoring during period under review	Achieved
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

The Company received a high rating for their consent compliance and administrative performance in the monitoring period from 1 July 2015 to 30 June 2017, as all cleanfill activities were 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.

6.5 Alterations and recommendations for 2017-2019

It is proposed that for the 2017-2019 monitoring period that the programme is altered from that of 2015-2017. It is recommended that monitoring of discharges from Jones Quarry Limited's Hydro Road site in the 2017-2019 period be reduced to two inspections per year (one to occur during the summer months, and the other to occur during wet weather), with discharge samples to be collected if warranted.

7 R J Dreaver Quarry and Cleanfill – Kairau Road 2nd Compliance Monitoring Report 2015-2017

7.1 Introduction

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

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 8). 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 8 R J Dreaver Quarry and Landfill site

7.2 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.

7.3 Compliance monitoring programme

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

7.4 Environmental and administrative performance summary

Thirteen inspections were undertaken at the R J Dreaver Quarry and Cleanfill during the 2015-2017 period, eight of these were programmed inspections, two were follow-up inspections and a further two were investigations in response to complaints.

One incident was recorded against the Company's quarry site during the monitoring period, resulting in the issuing of an abatement notice and an infringement notice. A complaint was received regarding the discharge of discoloured water from the site into the Waiongana Stream. The inspecting officer responding to the complaint observed the site was pumping turbid brown stormwater across land and into the unnamed tributary, which was subsequently causing notable discolouration of the main Waiongana Stream (Photo 4). Samples were taken of the pooled water and the discharge point for analysis. The suspended solids concentration (55 g/m^3) in the final discharge was just above the consented limit of 50 g/m^3 , but the discharge was causing significant discolouration of the receiving waters, which breaches special condition 7 of consent 9526-1.



Photo 4 Waiongana Stream showing discolouration along true right bank from quarry discharge

The Company were required under abatement to undertake works to ensure all stormwater was discharging through an effective silt retention system. The inspecting officer had noted that the existing retention ponds did not have the capacity to handle the volume of water being treated. The Company subsequently completed works to upgrade their treatment system and was deemed to be complying with the abatement notice in the following re-inspection.

A further two incident investigations were undertaken in response to public complaints, one regarding site water discharges, and one regarding dust generated onsite. The investigation regarding water discharges found no evidence of a further non-compliance. The investigation into the dust complaint did not result in a non-compliance being registered against the site, but the investigating officer noted the potential for dust discharges to become a nuisance, and advised the Company to apply dust suppressant to the access track.

The other inspections undertaken during the monitoring period found the site to be otherwise operating within consent conditions, the cleanfill contained mostly inert material and was being actively reinstated. No further impacts were observed on the Waiongana Stream were observed.

A tabular summary of the Company's compliance record for the period under review is set out in Tables 10-11.

Table 10 Summary of compliance with consent 9526-1 over the 2015-2017 monitoring period

Condition requirement	Means of monitoring during period under review	Achieved
1. Maximum active quarry area	Site inspections	Yes
2. Runoff from exposed quarry areas to pass through treatment systems that meet the minimum capacity requirements specified in the consent.	Site inspections	No – 1 incident recorded
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	No – 1 non-compliant result
7. Beyond the mixing zone, discharge shall not affect the physical characteristics of receiving waters.	Inspections of the river	No
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		Improvement Required
Overall assessment of administrative performance in respect of this consent		High

The Company's consent compliance and administrative performance for the 2013-2015 period in relation to consent 9526-1 required improvement. There was one incident recorded against the site, resulting in the issuing of an abatement notice and an infringement notice.

Table 11 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
9. Site remediation requirement	Site inspection	Yes - underway
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 demonstrated a level of consent compliance that required improvement. There was one incident recorded, resulting in enforcement action being undertaken, and two other investigations required in response to public complaints. The Company completed the work required under the abatement notice to a satisfactory standard.

7.5 Alterations and recommendations for 2017-2019

It is proposed that for the 2017-2019 monitoring period that the programme is altered from that of 2015-2017. It is recommended that monitoring of discharges RJ Dreaver's Kairau Road site in the 2017-2019 period be increased to four inspections per year with discharge samples to be collected if warranted. The additional inspections will be reviewed again at the end of the 2017-2019 period.

8 Whitaker Civil Engineering Quarry 18th Compliance Monitoring Biennial Report 2015-2017

8.1 Introduction

Whitaker Civil Engineering Quarry site at Waiwhakaiho 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 9 Whitaker Civil Engineering Quarry site

8.2 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.

8.3 Compliance monitoring programme

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

8.4 Environmental and administrative performance summary

Nine inspections were undertaken at the Waiwhakaiho Road quarry during the 2015-2017 period. Eight of these inspections were programmed compliance monitoring inspections, but the site was also visited twice for follow-up inspections regarding an abatement notice issued in the previous monitoring period. The initial re-inspection was to assess progress against the abatement notice requirements. The Company were constructing new wastewater controls and upgrading their retention pond system to recirculate washwater and reduce the total volume of water discharging from site. The second re-inspection was undertaken following the completion of these works, and was combined with one of the programmed compliance inspections. The inspecting officer noted on the second inspection that the abatement notice and consent conditions were being complied with at that time.

All subsequent inspections of the site recorded either no wastewater discharge or a minor visually clear discharge occurring from the site following the completion of the upgraded water treatment system. The receiving waters of the Waiwhakaiho River were not affected beyond the mixing zone downstream of the discharge point.

During all inspections the cleanfill area was observed as being compliant with consent conditions and contained inert materials, but the Company were reminded to ensure conditions were being complied with at the time of delivery of any material.

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 2015-2017 monitoring period did not note any adverse effects occurring in the receiving waters.

A tabular summary of the Company's compliance record for the period under review is set out in Tables 12-14.

Table 12 Summary of compliance with consent 7236-1 over the 2015-2017 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
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

Condition requirement	Means of monitoring during period under review	Achieved
7. Treated stormwater to comply with chemical limits prior to discharge into receiving waters.	Sample collection	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, 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		High
Overall assessment of administrative performance in respect of this consent		High

The Company received a high rating for their consent compliance and a high rating for their administrative performance for consent 7236-1 for the 2015-2017 period. Improvements to the water treatment systems undertaken during this period were completed and no non-compliant discharges were observed.

Table 13 Summary of compliance with consent 0720-4 over the 2015-2017 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	N/A

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		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 2015-2017 period in relation to consent 0720-4, as all quarry activities were assessed as compliant with the specified consent conditions.

Table 14 Summary of compliance with consent 3900-2 over the 2015-2017 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

Condition requirement	Means of monitoring during period under review	Achieved
11. Discharge shall not affect the physical characteristics of receiving waters of the Waiwhakaiho River.	Inspections of site and river	Yes
12. Provision of environmental management plan detailing the reinstatement operation.	Management plan received 30 October 2009	Yes
13. Best practicable option to prevent or minimise adverse effects.	Site inspections	Yes
14. Site remediation requirement	Site inspection	N/A
15. Lapse clause	Consent exercised	N/A
16. Review clause	Next review available in June 2020	N/A
Overall assessment of consent compliance and environmental performance in respect of this consent		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 2015-2017 period in relation to consent 3900-2, as all cleanfill activities were assessed as compliant with the specified consent conditions.

Overall, the Company has demonstrated a high level of consent compliance with all consents held.

8.5 Alterations and recommendations for 2017-2019

It is proposed that for the 2017-2019 monitoring period that the programme is altered from that of 2015-2017. It is recommended that monitoring of discharges from Whitaker Civil Engineering Quarry's Waiwhakaiho Road site in the 2017-2019 period be reduced to two inspections per year (one to occur during the summer months, and the other to occur during wet weather), with discharge samples to be collected if warranted.

9 Wiremu Road Quarry Limited 21st Compliance Monitoring Biennial Report 2015-2017

9.1 Introduction

Wiremu Road Quarry Limited's quarry site is located on Wiremu Road between two unnamed tributaries of the Manganui Stream in the Oaonui catchment. During the 2015-2017 monitoring period the site changed from Winstone Aggregates Limited to Wiremu Road Quarry Limited. However, Winstone Aggregates Limited still hold the consents and remain part-owners of the site.

The quarry site is bisected by Wiremu Road into two main areas, an upper and lower site. Bunding and contouring is used to isolate stormwater generated within the active sites from the surrounding land, and to direct stormwater and washwater to 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 10 Wiremu Road Quarry Limited quarry site

9.2 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.

9.3 Compliance monitoring programme

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

9.4 Environmental and administrative performance summary

Eight inspections were undertaken at the Wiremu Road quarry site during the 2015-2017 period. As in the previous period, the site was observed to be well managed and tidy. Site activity levels were generally high, with regular and extensive extracting, processing and site maintenance observed during inspections. All site contouring and bunding was effective and well maintained, and the wastewater/stormwater treatment systems were operating well to reduce the volume of site discharges and ensure any discharges were not having detrimental impacts on the receiving waters of the unnamed tributary. The system of containing and recycling washwater and stormwater appeared to be working well. At the end of the monitoring period under review, the Company outlined their intentions to relocate the water treatment system and move all operations to the eastern side of the quarry site. The Company supplied the required data for abstraction consent 1508-3 which showed compliance with the prescribed abstraction limit.

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 2015-2017 monitoring period did not note any adverse effects occurring in the receiving waters.

A tabular summary of the Company's compliance record for the period under review is set out in Tables 15-16.

Table 15 Summary of compliance with consent 1508-3 over the 2015-2017 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

Condition requirement	Means of monitoring during period under review	Achieved
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 2015-2017 period. Abstraction activities were assessed as compliant with the specified consent conditions.

Table 16 Summary of compliance with consent 1509-3 over the 2015-2017 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 13 December 2012.	Yes
13. Maximum discharge rate.	Site inspection	Yes
14. Maximum stormwater catchment area	Site inspections	Yes
15. Review clause.	No further review options prior to expiry in 2018	N/A

Condition requirement	Means of monitoring during period under review	Achieved
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 2015-2017 period, as all activities were assessed as compliant with the specified consent conditions.

Overall, the Company has demonstrated a high level of consent compliance with all consents held.

9.5 Alterations and recommendations for 2017-2019

It is proposed that for the 2017-2019 monitoring period that the programme is altered from that of 2015-2017. It is recommended that monitoring of discharges from Wiremu Road Quarry Limited's site in the 2017-2019 period be reduced to two inspections per year (one to occur during the summer months, and the other to occur during wet weather), with discharge samples to be collected if warranted.

10 C D Boyd – Surrey Road

6th Compliance Monitoring Biennial Report 2015-2017

10.1 Introduction

C D Boyd (the consent holder) operates a quarry off Surrey Road in Inglewood. The quarry is located on the true left bank of the Mangamawhete River in the Waitara catchment. The site has been divided into three areas of approximately 1 ha each, these will be progressively excavated and reinstated. The site is contoured and bunded so that stormwater and wastewater is directed to a settling pond system at the bottom of the site, or to a drain at the top of the site.

The quarry produces up to 25,000 m³/year of aggregate. No washing is performed at this site as yet. However, a washing plant may be installed in the future. Machinery includes a screen, loader, excavator, truck, and a 5,000 litre trailer mounted diesel fuel tank.



Figure 11 C D Boyd Quarry site, Surrey Road

10.2 Resource consents

6569-1		
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		
Granted: 08 June 2005	Review: No further reviews	Expiry: 1 June 2021

Copies of consents are included in Appendix I.

10.3 Compliance monitoring programme

The C D Boyd Quarry monitoring programme includes three components, namely: programme liaison and management with consent holders, site inspections, and chemical sampling when required.

10.4 Environmental and administrative performance summary

Six inspections were undertaken at the Surrey Road quarry during the 2015-2017 period, two of which were during heavy rain. Overall the site and extraction area were tidy and well maintained, and silt and sediment controls were working well.

During the monitoring period there was consistent activity within the quarry. A new extraction area was initiated, a new silt and sediment trap was created at the bottom end of quarry, and a new bund installed along the riverside. The extraction area by the park boundary was also reinstated.

During two inspections minor comments were made in regards to the cleaning of silt drains and the installation of additional silt traps. On subsequent visits it was noted that these improvements had been made.



Photo 5 C D Boyd Quarry

The Council monitors for possible effects on stream life by conducting a visual inspection of the discharge from the quarry, and the streambed, both up and downstream of the quarry discharge point. Inspections of the site over the 2015-2017 monitoring period did not note any adverse effects occurring in the receiving waters.

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

Table 17 Summary of compliance with consent 6569-1 over the 2015-2017 monitoring period

Condition requirement	Means of monitoring during period under review	Achieved
1. Best practicable option to minimise adverse effects	Inspections of site	Yes

Condition requirement	Means of monitoring during period under review	Achieved
2. Exercise of consent as described in application	Inspections of site	Yes
3. No direct discharge of untreated stormwater	Inspections of the site and treatment system	Yes
4. Contouring and bunding of site	Inspections of site	Yes
5. Control erosion	Inspections of site	Yes
6. Progressively reinstate site	Inspections of site	Yes
7. Fencing of riparian zone	Not Assessed	N/A
8. Exclude stock from quarry area	Inspections of site	Yes
9. Maximum stormwater catchment area	Inspections of site	Yes
10. Minimum riparian zone	Not assessed	N/A
11. Maintain and operate silt control structure	Inspections of site	Yes
12. Constituents of the discharge shall meet the consented limits prior to entry into the receiving waters	Inspections and sampling	Yes
13. The discharge shall not give rise to physical or chemical changes in the receiving waters	Inspections and sampling	Yes
14. Limits on turbidity increase of receiving waters	Inspections and sampling	Yes
15. Provide stormwater management and contingency plans	Received 24/03/2011	Yes
16. Reinstatement prior to surrender or lapse of consent	N/A	N/A
17. Consent lapse	N/A	N/A
18. Optional review provision	No further reviews 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 2015-2017 monitoring period, as all quarry activities were assessed as compliant with the specified consent conditions.

10.5 Alterations and recommendations for 2017-2019

It is proposed that for the 2017-2019 monitoring period that the programme is altered from that of 2015-2017. It is recommended that monitoring of discharges from C D Boyd's Surrey Road site in the 2017-2019 period be reduced to two inspections per year (one to occur during the summer months, and the other to occur during wet weather), with discharge samples to be collected if warranted.

11 Hey Trust – Monmouth Road Quarry

4th Compliance Monitoring Biennial Report 2015-2017

11.1 Introduction

The Hey Trust Quarry site on Monmouth Road, Stratford is located on the true right bank of the Kahouri Stream in the Patea catchment. Hey Trust operates a small quarry on a part time basis to supply aggregate for mostly on farm purposes, and to supply the local market. Aggregate extracted from the site is suitable for use on farm races and for hardfill. The material is extracted as required, so generally there is no stockpiled material onsite. No washing is carried out at this site.



Figure 12 Hey Trust Quarry site

11.2 Resource consents

7123-1		
To discharge treated stormwater from a quarry site onto and into land and into the Kahouri Stream in the Patea catchment.		
Granted: 10 July 2007	Review: No further reviews	Expiry: 1 June 2022

Copies of consents are included in Appendix I.

11.3 Compliance monitoring programme

The Hey Trust monitoring programme includes three components, namely: programme liaison and management with consent holders, site inspections, and chemical sampling when required.

11.4 Environmental and administrative performance summary

Three inspections were undertaken at the Monmouth Road quarry during the 2015-2017 period. During the inspections it was noted that the site was tidy with minimal extraction occurring, and minimal material was stockpiled onsite.



Photo 6 Hey Trust Quarry

The Council monitors for possible effects on stream life by conducting a visual inspection of the discharge from the quarry, and the streambed, both up and downstream of the quarry discharge point. As there was no run off at the time of inspection, there was not deemed to be any adverse effects occurring in the receiving waters.

A tabular summary of the Company's compliance record for the period under review is set out in Table 18.

Table 18 Summary of compliance with consent 7123-1 over the 2015-2017 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 details provided in the application	Site inspections	Yes

Condition requirement	Means of monitoring during period under review	Achieved
3. No direct discharge of untreated stormwater	Inspections of site and river	Yes
4. Contour and/or bund the active quarry area 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. Maintenance of the stormwater system to ensure consent conditions are met	Consultation and inspection to ensure effective operations system	Yes
9. Constituents of the discharge shall meet the consented limits prior to entry into the receiving waters	Sample collection if warranted	N/A
10. The discharge shall not give rise to physical or chemical changes in the receiving waters	Inspections of the receiving waters and sample collection if warranted	Yes
11. The discharge shall not give rise to changes in visual clarity of the receiving waters	Inspection of the receiving waters	Yes
12. Provide stormwater management and contingency plans	Contingency plan reviewed on 22/04/2017	Yes
13. Reinstatement requirement	Site inspections	Yes
14. Lapse clause	N/A	N/A
15. Optional review provision	No further reviews before the expiry of the consent.	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 2015-2017 monitoring period, as all quarry activities were assessed as compliant with the specified consent conditions.

11.5 Alterations and recommendations for 2017-2019

It is proposed that for the 2017-2019 monitoring period that the programme is altered from that of 2015-2017. It is recommended that monitoring of discharges from the Hey Trust Monmouth Road site in the 2017-2019 period be increased to two inspections per year (one to occur during the summer months, and the other to occur during wet weather), with discharge samples to be collected if warranted.

12 Horizon Trust Management Limited – Whenuku Road 3rd Compliance Monitoring Biennial Report

12.1 Introduction

Horizon Trust Management Limited operates a quarry on Whenuku Road near Normanby. The quarry is located on the true left bank of the Waingongoro River, in the Waingongoro catchment. Horizon Trust Management Limited commenced operation of the quarry in December 2016, prior to this the quarry was operated by Cudby Contracting Limited.

The quarry site is essentially a flat terrace, with the Waingongoro River along the western boundary. The quarry contains predominantly fine-grained river sorted aggregate which is supplied to a mostly local market. The material is stockpiled onsite as required. No washing is carried out at this site. Site stormwater is directed through ponds for treatment prior to entering a tributary of the Waingongoro River.

In August 2015 consent was granted to allow the realignment and piping of sections of two unnamed tributaries of the Waingongoro River.



Figure 13 Horizon Trust Management Limited Whenuku Road quarry

12.2 Resource consents

7845-1.1		
To discharge treated stormwater and incidental groundwater from a quarry site through land seepage and into Waingongoro River and its tributary.		
Granted: 07 July 2011	Review: June 2018	Expiry: 1 June 2029
10017-1		
To realign and install piping in sections of two unnamed tributaries of the Waingongoro River, including associated disturbance and reclamation of the streambed.		
Granted: 19 August 2015	Review: June 2023	Expiry: 1 June 2029
10018-1		
To take groundwater incidental to quarrying operations		
Granted: 19 August 2015	Review: June 2017	Expiry: 1 June 2029

Copies of consents are included in Appendix I.

12.3 Compliance monitoring programme

The Horizon Trust Management Limited Whenuku Road monitoring programme includes three components, namely: programme liaison and management with consent holders, site inspections, and chemical sampling when required.

12.4 Environmental and administrative performance summary

Six inspections were undertaken at the Whenuku Road quarry during the 2015-2017 period.

During the inspections it was noted that the site was well maintained, the extraction area was in good condition, and the site was compliant with consent conditions. Silt and sediment controls were working well, and stormwater was observed to be clear.



Photo 7 Bunded pooled section of the tributary

The Council monitors for possible effects on stream life by conducting a visual inspection of the discharge from the quarry, and the streambed, both up and downstream of the quarry discharge point. Inspections of the site over the 2015-2017 monitoring period did not note any observable effect occurring on the Waingongoro River.

Discharge samples were collected, as well as upstream and downstream samples from the Waingongoro River. All samples were compliant with consented limits.

A tabular summary of the Company's compliance record for the period under review is set out in Tables 19-21.

Table 19 Summary of compliance with consent 7845-1.1 over the 2015-2017 monitoring period

Condition requirement	Means of monitoring during period under review	Achieved
1. The quarry activity shall be carried out in accordance with the details provided in the application	Site inspections	Yes
2. Maximum stormwater catchment area	Site inspections	Yes
3. Provision of stormwater management plan prior to commencing each stage of quarrying	Stormwater management plan not received	No
4. Stormwater system to minimise discharges and ensure consent compliance	Consultation and inspection to ensure effective operations system	Yes
5. Settlement pond requirements and capacities	Site inspections	Yes

Condition requirement	Means of monitoring during period under review	Achieved
6. The obligation described in condition 5 shall cease to apply to an area when it has been stabilised.	N/A	N/A
7. No direct discharge of untreated stormwater or groundwater	Inspections of site and river	Yes
8. Notification is required prior to the commencement of each stage of the quarry activity.	Notification received 17/08/2015	Yes
9. Best practicable option to prevent or minimise adverse effects	Site inspections	Yes
10. Progressive reinstatement of the quarry to minimise the area of exposed earth	Site inspections	Yes
11. Constituents of the discharge shall meet the consented limits prior to entry into the receiving waters	Sample collection if warranted	Yes
12. The discharge shall not effect the visual clarity of the receiving waters	Visual inspection of river and sample collection if warranted	Yes
13. Notification required prior to changes in processes	No changes made to operation	N/A
14. Optional review provision	Next available review June 2018	N/A
Overall assessment of consent compliance and environmental performance in respect of this consent Overall assessment of administrative performance in respect of this consent		High Improvement required

The consent holder received a high rating for their consent compliance and an improvement required for administrative performance for consent 7845-1.1 during the 2015-2017 monitoring period. Although the quarry activities were assessed as compliant with most specified consent conditions, the required stormwater management plan was not provided to the Council.

Table 20 Summary of compliance with consent 10017-1.0 over the 2015-2017 monitoring period

Condition requirement	Means of monitoring during period under review	Achieved
1. Construction to be carried out in accordance with the application	Consultation and site inspection to ensure compliance	Yes
2. Piping diameter requirements	Consultation and site inspection	Yes
3. Authorises the permanent diversion of stream flow through a reconstructed channel.	N/A	N/A
4. New stream channel physical dimension requirements	N/A	N/A
5. Fencing, planting and pipe removal responsibilities following the cessation of the quarry operation.	N/A	N/A

Condition requirement	Means of monitoring during period under review	Achieved
6. New stream channel physical dimension requirements	N/A	N/A
7. Wetland construction requirement	N/A	N/A
8. Physical requirements of the wetland, as well as fencing, planting, and community liaison requirements.	N/A	N/A
9. Restriction on when in-stream works can take place.	Site inspections, notifications	Yes
10. Provision of fish passage	N/A	N/A
11. Contouring requirements	N/A	N/A
12. Secondary flow path dimension requirements.	N/A	N/A
13. Manhole requirements	N/A	N/A
14. Maintenance of piping and secondary flow path	N/A	N/A
15. Construction requirements for completion of the realignment	N/A	N/A
16. Rock rip rap armouring requirements	N/A	N/A
17. Rock rip rap armouring requirements at the confluence of the new stream channel with the Waingongoro River	N/A	N/A
18. Notification required prior to commencement of each piping and/or realignment work.	Notification received on 21/01/2016	Yes
19. Riparian fencing and planting requirements	Not assessed	N/A
20. Riparian fencing and planting schedule	Not assessed	N/A
21. Control, minimise, and mitigate sediment in the stream	Inspections of the site and receiving waters	Yes
22. Vegetation preservation within 20 metres of the piped stream.	N/A	N/A
23. Stabilisation of earthwork areas following soil disturbance	Site inspections	Yes
24. Responsibilities of the consent holder to remedy adverse effects on the streambed	Inspections of the streambed	N/A
25. Responsibilities of the consent holder in the event that any archaeological remains are discovered	Meets responsibilities	N/A
26. Optional review provision	Next available review June 2023	N/A

Condition requirement	Means of monitoring during period under review	Achieved
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

Many of the consent conditions are not currently applicable in regards to compliance monitoring, as limited stream diversion work has taken place to date. The consent holder received a high rating for their consent compliance and administrative performance for consent 10017-1.0 during the 2015-2017 monitoring period, as all applicable stream diversion activities were assessed as compliant with the specified consent conditions.

Table 21 Summary of compliance with consent 10018-1.0 over the 2015-2017 monitoring period

Condition requirement	Means of monitoring during period under review	Achieved
1. Notification requirement	No notification received, However, quarry was pre-existing	N/A
2. Best practicable option to prevent or minimise adverse effects	Site inspection	Yes
3. Optional review provision	Next available review June 2023	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 consent 10018-1.0 during the 2015-2017 monitoring period, as all groundwater take 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.

12.5 Alterations and recommendations for 2017-2019

It is proposed that for the 2017-2019 monitoring period that the programme is altered from that of 2015-2017. It is recommended that monitoring of discharges from the Horizon Trust Management Limited Whenuku Road site in the 2017-2019 period be reduced to two inspections per year (one to occur during the summer months, and the other to occur during wet weather), with discharge samples to be collected if warranted.

13 Horizon Trust Management Limited – Waiteika Road 3rd Compliance Monitoring Biennial Report

13.1 Introduction

Horizon Trust Management Limited became the operator of the Waiteika Road Quarry in November 2016 (the site was previously operated by Cudby Contracting Limited). The Quarry is located in the Waiteika Catchment and discharges stormwater and washwater to land only.

The quarrying activity involves extracting rock and gravels from lahar mounds from various locations across the site. Only 1.5 hectares of the site is excavated at any one time. Once removed, the material is crushed and/or screened. A small wash plant operates onsite to wash the specialised products using water extracted from the onsite settling ponds.



Figure 14 Horizon Trust Management Limited Quarry site

13.2 Resource consents

7519-1		
To discharge treated stormwater and wastewater onto and into land from quarry activities.		
Granted: 10 August 2009	Review: June 2018	Expiry: 1 June 2024
7522-1		
To install, use and maintain a culvert for access purposes.		
Granted: 10 August 2009	Review: June 2018	Expiry: 1 June 2024

Copies of consents are included in Appendix I.

13.3 Compliance monitoring programme

The Horizon Trust Management Limited (Waiteika Road) monitoring programme includes three components, namely: programme liaison and management with consent holders, site inspections, and chemical sampling when required.

13.4 Environmental and administrative performance summary

Two inspections were undertaken at the Waiteika Road quarry during the 2015-2017 period. The site was well maintained and generally tidy over the monitoring period and silt and sediment controls were observed to be working well with no issues noted.

During the first 16 months of the monitoring period the site was operated by Cudby Contracting Limited and no extraction was occurring. In November 2016 consents were transferred to Horizon Trust Management Limited, and extraction resumed in 2017.

Reinstatement has been carried out in the previous excavation area (to the north of the site office) and a new extraction area has been initiated.



Photo 8 Waiteika Road quarry site 2009

This site holds consent to discharge onto and into land at the quarry site, not to surface water. Inspections of the site over the 2015-2017 monitoring period did not note any discharge to, or adverse effects occurring in surface water systems.

An inspection of the culvert in August 2015 confirmed that the culvert did not present any barrier to fish passage.

A tabular summary of the Company's compliance record for the period under review is set out in Tables 22-23.

Table 22 Summary of compliance with consent 7519-1 over the 2015-2017 monitoring period

Condition requirement	Means of monitoring during period under review	Achieved
1. Limits on size of quarry	Inspections of site	Yes
2. Treatment pond specifications	Inspection of ponds	Yes
3. Advise TRC in writing at least 7 days prior to works commencing	No notification received – However quarry was under different ownership when this condition was applicable	N/A
4. Earthwork areas to be stabilised vegetatively or otherwise as soon as possible	Inspections of site	Yes
5. Consent lapse	N/A	N/A
6. Optional review provision	Next available review June 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 consent holder received a high rating for their consent compliance and administrative performance for consent 7519-1 for the 2015-2017 monitoring period, as all quarry activities were assessed as compliant with the specified consent conditions.

Table 23 Summary of compliance with consent 7522-1 over the 2015-2017 monitoring period

Condition requirement	Means of monitoring during period under review	Achieved
1. Culvert pipe dimension requirements.	Inspections of site	Yes
2. Culvert fill depth restriction	Inspections of site	Yes
3. Work Notification requirements	No notification received – However quarry was under different ownership when this condition was applicable	N/A
4. Minimise riverbed disturbance	Inspections of site	Yes
5. The culvert shall not obstruct fish passage.	Inspections of site	Yes
6. Culvert inlet specification	Inspections of site	Yes
7. Culvert gradient specification	Inspections of site	Yes
8. Minimise and mitigate the effects of sediment discharged to (and suspended in) the stream	Inspections of the site	Yes
9. Culvert to be removed and area reinstated when it is no longer required, unless otherwise agreed	Inspections of the site	N/A

Condition requirement	Means of monitoring during period under review	Achieved
10. Lapse clause	N/A	N/A
11. Optional review provision	Next available review June 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 consent holder received a high rating for their consent compliance and administrative performance for consent 7522-1 for the 2015-2017 monitoring period, as all 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.

13.5 Alterations and recommendations for 2017-2019

It is proposed that for the 2017-2019 monitoring period that the programme is altered from that of 2015-2017. It is recommended that monitoring of discharges from the Horizon Trust Management Limited Waiteika Road site in the 2017-2019 period be increased to two inspections per year (one to occur during the summer months, and the other to occur during wet weather), with discharge samples to be collected if warranted.

14 DM & DL Bourke – Onewhaia Road 12th Compliance Monitoring Biennial Report

14.1 Introduction

DM & DL Bourke (the Company) operate a quarry located on the true left bank of the Waingongoro River at Onewhaia Road, north of Normanby. The site lies on a small river terrace, elevated four metres above the river. The quarry has been operating since 1992 producing aggregate for both on-farm purposes and commercial sale.

The active quarry area of approximately 3,600 m² is contoured and banded to direct all stormwater for treatment prior to discharge to the Waingongoro River. The river is bounded by a 10 metre buffer strip, and a riparian buffer helps to filter sediment from stormwater should there be any overflow.

No washing is performed at this site. Machinery includes a dry crusher and screening plant, digger, and payloader. A 600 litre diesel tank/trailer is towed in as required.



Figure 15 Bourke Quarry site

14.2 Resource consents

5001-2		
To discharge treated stormwater from a quarry site into the Waingongoro River.		
Granted: 19 January 2012	Review: July 2023	Expiry: 1 June 2029
9933-1		
To discharge treated contaminated water, from the dewatering of excavations at a quarry site, onto land and into the Waingongoro River.		
Granted: 12 June 2014	Review: June 2023	Expiry: 1 June 2029
9934-1		
To take groundwater incidental to quarry operations in the vicinity of the Waingongoro River.		
Granted: 12 June 2014	Review: June 2023	Expiry: 1 June 2029

Copies of consents are included in Appendix I.

14.3 Compliance monitoring programme

The DM & DL Bourke Onewhia Road Quarry monitoring programme includes three components, namely: programme liaison and management with consent holders, site inspections, and chemical sampling when required.

14.4 Environmental and administrative performance summary

Six compliance monitoring inspections and one follow up meeting were undertaken at the Onewhia Road quarry during the 2015-2017 period.

During the January 2016 inspection it was noticed that an outlet pipe had been installed in the wall of the extraction area to allow stormwater and groundwater to discharge. This was not deemed as a non-compliance at the time, but the inspecting officer did ask that the consent holder ensure that silt and sediment were not discharged through this pipe.

In June 2016, an inspection revealed that the arrangement of the pit was non-compliant with resource consent 9933-1, as the excavation pit was draining to the Waingongoro River via a discharge pipe at the base of the pit, rather than directed through settlement ponds as stipulated by the consent. A sample was collected of the discharge and it was confirmed to be compliant with consented limits for treated discharge, so there was not deemed to be an adverse effect on the receiving waters.

A follow up meeting was held on the 1st of July 2016 to establish a new discharge point and discuss new silt and sediment controls. It was agreed that new silt and sediment ponds would be constructed within two months and that there would be no extraction in or around this area until ponds had been installed. At the following compliance monitoring inspection, works had been undertaken.

During other inspections, it was noted that the site was well maintained, generally tidy and compliant with consent conditions.



Photo 9 Discharge point from excavation pit



Photo 10 Discharge point in river

The Council monitors for possible effects on stream life by conducting a visual inspection of the discharge from the quarry, and the streambed, both up and downstream of the quarry discharge point. Inspections of the site over the 2015-2017 monitoring period did not note any adverse effects occurring in the receiving waters.

A tabular summary of the Company's compliance record for the period under review is set out in Tables 24-26.

Table 24 Summary of compliance with consent 5001-2 over the 2015-2017 monitoring period

Condition requirement	Means of monitoring during period under review	Achieved
1. Adopt best practice	Site inspections	Yes
2. Aggregate washing not permitted	Site inspections	Yes
3. Silt controls must be in place	Site inspections	Yes
4. No direct discharge into the river or tributary	Site inspections	Yes
5. Contour/ bund site to direct water to settlement pond	Site inspections	Yes
6. Constituents of discharge shall meet consent condition standards	Site inspections/samples taken as required	Yes
7. Discharge cannot cause specified adverse effects beyond mixing zone	Site inspections	Yes
8. Maintain a contingency plan for the event of a spillage and contamination	Contingency plan received 16/06/2016	Yes
9. Optional review provision	Next available review June 2023	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 consent 5001-2 in the 2015-2017 monitoring period, as all activities were assessed as compliant with the specified consent conditions.

Table 25 Summary of compliance with consent 9933-1 over the 2015-2017 monitoring period

Condition requirement	Means of monitoring during period under review	Achieved
1. All contaminated groundwater to be treated prior to discharge	Site inspections	Yes
2. Settlement pond capacity requirement	Site inspection	Yes
3. Discharge outlet to exclude backflow from the river	Site inspection	Yes
4. Management of water treatment system to ensure consent compliance and minimise discharge	Site inspections, samples if warranted	No
5. No discharge of untreated contaminated groundwater	Site inspection	No

Condition requirement	Means of monitoring during period under review	Achieved
6. Adopt best practice	Site inspections	Yes
7. Constituents of discharge shall meet consent condition requirements	Site inspections/samples taken as required	Yes
8. Discharge cannot cause specified adverse effects beyond mixing zone	Site inspections	Yes
9. Discharge cannot cause specified changes in visual clarity beyond mixing zone	Site inspections	Yes
10. Treatment system to be bunded to prevent stormwater inflow	Site inspections	Yes
11. Maintain a contingency plan for the event of a spillage and contamination	Contingency plan received 16/06/2016	Yes
12. Notification requirement prior to changes in site processes	No notifications received	Yes
13. Lapse clause	N/A	N/A
14. Optional review provision	Next available review June 2023	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 consent compliance and administrative performance for consent 9933-1 for the 2015-2017 monitoring period as the minor non-compliance was not deemed to have had an effect on the receiving waters, and was remedied quickly. All other quarry activities were assessed as compliant with the specified consent conditions.

Table 26 Summary of compliance with consent 9934-1 over the 2015-2017 monitoring period

Condition requirement	Means of monitoring during period under review	Achieved
1. Groundwater take to be incidental to quarrying activities	Site inspection	Yes
2. Notification requirements	No notification received. However, quarry was pre-existing	N/A
3. Adopt best practice	Site inspections	Yes
4. Lapse clause	N/A	N/A
5. Optional review provision	Next available review in June 2023	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 consent 9934-1 for the 2015-2017 monitoring period, as all groundwater take 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.

14.5 Alterations and recommendations for 2017-2019

It is proposed that for the 2017-2019 monitoring period that the programme is altered from that of 2015-2017. It is recommended that monitoring of discharges from DM & DL Bourke's Onewhaia Road site in the 2017-2019 period be reduced to two inspections per year (one to occur during the summer months, and the other to occur during wet weather), with discharge samples to be collected if warranted.

15 Burgess & Crowley Partnership – East Road 13th Compliance Monitoring Biennial Report

15.1 Introduction

Burgess and Crowley Partnership (the Company) operates a quarry located in Toko next to a wetland tributary of the Patea River at East Road, in the Patea catchment.

At the upstream end of the tributary, flow from the wetland enters the site and is directed via a drain along the southern side of the quarry, where it then flows (piped) under the entrance access to the wetland which surrounds the active quarry site. The wetland extends 85 metres before entering the Patea River.

The active quarry area is contoured and bunded so that stormwater is directed to a settling pond adjacent to the quarry face. Stormwater and groundwater are pumped from the quarry pit when necessary through two settling ponds before the treated stormwater is discharged to the wetland.

No aggregate washing is performed at this site. Machinery includes an excavator, an articulated dump truck, a loader, and a mobile crushing unit.



Figure 16 Burgess & Crowley Quarry site

15.2 Resource consents

7963-1		
To discharge stormwater from a quarry site into the 'Toko Wetland' in the Patea River catchment.		
Granted: 10 September 2012	Review: June 2019	Expiry: 1 June 2028
7964-1		
To take and divert groundwater in the vicinity of the Patea River and the 'Toko Wetland' incidental to quarrying activities.		
Granted: 10 September 2012	Review: June 2019	Expiry: 1 June 2028
6505-1		
To discharge cleanfill onto and into land for quarry reinstatement purposes.		
Granted: 15 December 2004	Review: No further reviews	Expiry: 1 June 2022

Copies of consents are included in Appendix I.

15.3 Compliance monitoring programme

The Burgess & Crowley Partnership monitoring programme includes three components, namely: programme liaison and management with consent holders, site inspections, and chemical sampling when required.

15.4 Environmental and administrative performance summary

Eight compliance monitoring inspections and one follow up inspection were undertaken at the East Road quarry during the 2015-2017 period. The site was well maintained and generally tidy over the monitoring period. It was noted that the extraction area was well managed, there was a significant quantity of material stockpiled onsite and the silt and sediment controls were working well.

During the monitoring period the old sediment pond was backfilled with cleanfill.

A discharge sample was collected during heavy rain on the 15 November 2016 during a compliance monitoring inspection. This sample was found to be noncompliant with consent 7963-1, in that it contained higher suspended solids (120 g/m^3) than the 50 g/m^3 permitted by the consent. The discharge was not deemed to have had an adverse environmental effect as the river was in high flow at the time.



Photo 11 Burgess & Crowley Quarry site

The Council monitors for possible effects on stream life by conducting a visual inspection of the discharge from the quarry, and the streambed, both up and downstream of the quarry discharge point. Inspections of the site over the 2015-2017 monitoring period did not note any adverse effects occurring in the receiving waters.

A tabular summary of the Company's compliance record for the period under review is set out in Tables 27-29.

Table 27 Summary of compliance with consent 7963-1 over the 2015-2017 monitoring period

Condition requirement	Means of monitoring during period under review	Achieved
1. Settlement pond dimension requirements	Site inspections	Yes
2. Stage development of quarry	Site inspections	Yes
3. Reinstatement of previous stages	Site inspections	Yes
4. Aggregate washing prohibited	Site inspections	Yes
5. Contouring and bunding requirements	Site inspections	Yes
6. Suspended solids limits for discharge	Sample collected 15/11/2016 suspended solids of 120g/m ³	No
7. No specified effects on receiving waters	Site inspections	Yes
8. Consent lapse	N/A	N/A
9. Optional review provision	Next available review June 2019	N/A

Condition requirement	Means of monitoring during period under review	Achieved
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 consent compliance and administrative performance for consent 7963-1 for the 2015-2017 monitoring period as the minor non-compliance of suspended solids was not deemed to have had an effect on the receiving waters it entered. All other quarry activities were assessed as compliant with the specified consent conditions.

Table 28 Summary of compliance with consent 7964-1 over the 2015-2017 monitoring period

Condition requirement	Means of monitoring during period under review	Achieved
1. Piezometer installation requirement	Site inspection	No
2. Piezometer monitoring requirement	Provision of data	No
3. Piezometer access	Not available	No
4. Consent lapse	N/A	N/A
5. Optional review provision	Next available review June 2019	N/A
Overall assessment of consent compliance and environmental performance in respect of this consent		Improvement required
Overall assessment of administrative performance in respect of this consent		Improvement required

The consent holder received an improvement required rating for consent compliance and administrative performance for consent 7964-1 during the 2015-2017 monitoring period, as the specified consent conditions were not met as piezometers have not been installed and an application to change the consent conditions has not been received by the Council.

Table 29 Summary of compliance with consent 6505-1 over the 2015-2017 monitoring period

Condition requirement	Means of monitoring during period under review	Achieved
1. Operate in accordance with information submitted in application	Site inspections	Yes
2. Specified cleanfill materials discharged only	Cleanfill inspections, site manager to monitor external material contributed to cleanfill	Yes
3. Contaminants prohibited to enter/ be combined with cleanfill	Cleanfill inspections	Yes
4. Consent holder to check with Council if unsure that the material is authorised	Discussion with consent holder/ site manager	Yes
5. Discharge shall not contaminate surface water or groundwater	Site inspections	Yes

Condition requirement	Means of monitoring during period under review	Achieved
6. Maintain silt structures	Site inspections and discussion with site manager	Yes
7. Maintain drains to minimise stormwater and ponding	Site inspections and discussion with site manager	Yes
8. Maintain and adhere to a cleanfill management plan	Cleanfill management plan not received	No
9. Adopt best practicable option to prevent/minimise effect on environment	Site inspection and discussion with site manager	Yes
10. Discharge site to be stabilised and revegetated on cessation of operations	N/A	Yes
11. Optional review provision	Next available review June 2016	Yes
Overall assessment of consent compliance and environmental performance in respect of this consent Overall assessment of administrative performance in respect of this consent		High Improvement required

The consent holder received a high rating for their consent compliance and an improvement required for administrative performance for consent 6505-1 during the 2015-2017 monitoring period. Although the quarry activities were assessed as compliant with most specified consent conditions, required documentation was not provided to the Council.

Overall, the consent holder demonstrated level of consent compliance with all consents held that required improvement.

15.5 Alterations and recommendations for 2017-2019

It is proposed that for the 2017-2019 monitoring period that the programme is altered from that of 2015-2017. It is recommended that monitoring of discharges from the Burgess & Crowley Partnership East Road site in the 2017-2019 period be reduced to two inspections per year (one to occur during the summer months, and the other to occur during wet weather), with discharge samples to be collected if warranted.

16 Taunt Contracting Limited – Bird Road 12th Compliance Monitoring Biennial Report

16.1 Introduction

Taunt Contracting Limited operates a quarry and shingle washing operation at Bird Road near Toko. The quarry is located on the true right bank of the Patea River, in the Patea catchment.

The quarry has been operating for over 60 years and mainly provides aggregate for on farm purposes, but has sold aggregate commercially for the local market.

The property is 5.4 ha in size with approximately half of the area used for quarrying. The quarry is contoured and bunded so that stormwater is directed to a series of treatment ponds adjacent to the quarry face. Water from these ponds is discharged to an unnamed tributary of the Patea River.



Figure 17 The Taunt Contracting Ltd quarry located on the Patea River

16.2 Resource consents

5002-2		
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.		
Granted: 25 August 2010	Review: 28 July 2022	Expiry: 1 June 2028

Copies of consents are included in Appendix I.

16.3 Compliance monitoring programme

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

16.4 Environmental and administrative performance summary

Two inspections were undertaken at the Bird Road quarry during the 2015-2017 period. The site was well maintained, generally tidy, and water treatment systems were operating well. During the monitoring period an area on the south east side of the quarry had been reinstated and fenced.



Photo 12 Taunt Contracting Limited Quarry site

The Council monitors for possible effects on stream life by conducting a visual inspection of the discharge from the quarry, and the streambed, both up and downstream of the quarry discharge point. Inspections of the site over the 2015-2017 monitoring period did not note any adverse effects occurring in the receiving waters, and noted that the drain leaving the site discharging into the Patea River was clear.

A tabular summary of the Company's compliance record for the period under review is set out in Table 30.

Table 30 Summary of compliance with consent 5002-2 over the 2015-2017 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. Sediment control capacity requirements	Site inspections	Yes
3. No direct discharge of untreated stormwater or washwater	Inspections of site and river	Yes
4. Contour and/or bund the active quarry site so that all water is directed for treatment	Site inspections	Yes
5. Constituents of the discharge shall meet the consented limits prior to entry into the receiving waters	Sample collection if warranted	N/A
6. The discharge shall not give rise to physical or chemical changes in the receiving waters	Inspections of river and sample collection if warranted	Yes
7. Maintain a contingency plan	Contingency plan received 9/05/2016	Yes

Condition requirement	Means of monitoring during period under review	Achieved
8. Optional review provision	No further reviews before the expiry of the consent.	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 2015-2017 monitoring period, as all quarry activities were assessed as compliant with the specified consent conditions.

Alterations and recommendations for 2017-2019

It is proposed that for the 2017-2019 monitoring period that the programme is altered from that of 2015-2017. It is recommended that monitoring of discharges from the Taunt Contracting Limited Bird Road site in the 2017-2019 period be increased to two inspections per year (one to occur during the summer months, and the other to occur during wet weather), with discharge samples to be collected if warranted.

17 Ravensdown Windy Point Quarry Limited

4th Compliance Monitoring Biennial Report 2015-2017

17.1 Introduction

Ravensdown Windy Point Quarry Limited operates a quarry located on Rangitatau West Road, in the Waitotara catchment, two kilometres from the Makokako Stream.

Extracted aggregate is processed by dry crushing, and no aggregate washing is carried out on site. Stormwater from quarried areas is contained within the quarry pit and discharge is entirely via seepage to ground. The site is operated in a manner that ensures that the bottom of the cut always slopes back to the hillside or the quarry pit. This ensures that no untreated stormwater can escape from the site.

The resource consents for stormwater discharge and onsite cleanfill were transferred to Ravensdown Windy Point Quarry Limited in October 2016.



Figure 18 Ravensdown Windy Point Quarry Rangitatau West Road

17.2 Resource consents

9570-1		
To discharge stormwater onto and into land from quarrying activities.		
Granted: 28 May 2013	Review: June 2022	Expiry: 1 June 2028
9972-1.2		
To discharge cleanfill onto and into land.		
Granted: 20 November 2014	Review: June 2022	Expiry: 1 June 2034

Copies of consents are included in Appendix I.

17.3 Compliance monitoring programme

The Ravensdown Windy Point Quarry Limited monitoring programme includes three components, namely: programme liaison and management with consent holders, site inspections, and chemical sampling when required.

17.4 Environmental and administrative performance summary

Four inspections were undertaken at the Ravensdown Windy Point Quarry during the 2015-2017 period. It was noted that a lot of extraction was occurring, and that the site was busy with processing or truck loading activities during each inspection. Reinstatement work was carried out and new extraction areas were initiated. There were relatively low levels of cleanfill material being discharged to the cleanfill, and the sites silt and sediment traps worked effectively. Overall the site was well maintained, generally tidy, and operated within consented limits.



Photo 13 Stormwater collection area at base of quarry pit from which stormwater drains via seepage to ground

This site holds consent to discharge onto and into land at the quarry site, not to surface water. Inspections of the site over the 2015-2017 monitoring period did not note any discharge to, or adverse effects occurring in any surface water system.

A tabular summary of the Company's compliance record for the period under review is set out in Tables 31-32.

Table 31 Summary of compliance with consent 9570-1 over the 2015-2017 monitoring period

Condition requirement	Means of monitoring during period under review	Achieved
1. Quarry activities shall not exceed two hectares at any one time	Site inspections	Yes
2. Settlement ponds and sediments traps must be in place to capture any run-off	Site inspections	Yes
3. Earthworks shall be stabilised with vegetation	Site inspections	Yes
4. Adopt best practicable option	Site inspections	Yes
5. Optional review provision	Next available review June 2022	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 consent 9570-1 for the 2015-2017 monitoring period, as all quarry activities were assessed as compliant with the specified consent conditions.

Table 32 Summary of compliance with consent 9972-1.2 over the 2015-2017 monitoring period

Condition requirement	Means of monitoring during period under review	Achieved
1. Cleanfill limited to prescribed area	Site inspections	Yes
2. May only discharge cleanfill / inert materials	Site inspections	Yes
3. No prohibited contaminants to be discharged	Site inspections	Yes
4. Obtain approval from the Council if unsure of status of contaminant	TRC – consent holder liaison	N/A
5. No contaminant to enter surface water or groundwater	Site inspections	Yes
6. Silt retention structures to be installed	Site inspections	Yes
7. Maintain drains to divert stormwater from cleanfill discharge area	Site inspections	Yes
8. Adopt best practicable option to prevent or minimise environmental effect	Site inspections	Yes
9. Reinstatement of site at conclusion of activity	Site inspections	N/A
10. Consent lapse	Consent is in effect.	N/A
11. Optional review provision	Next available review June 2022	N/A

Condition requirement	Means of monitoring during period under review	Achieved
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 consent 9972-1.2 for the 2015-2017 monitoring period, as all cleanfill 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.

17.5 Alterations and recommendations for 2017-2019

It is proposed that for the 2017-2019 monitoring period that the programme is unaltered from that of 2015-2017. It is recommended that monitoring of discharges from the Ravensdown Windy Point Quarry Limited site in the 2017-2019 period continue at the same level as in 2015-2017, with two inspections per year (one to occur during the summer months, and the other to occur during wet weather), with discharge samples to be collected if warranted.

Glossary of common terms and abbreviations

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

Biomonitoring	Assessing the health of the environment using aquatic organisms.
Bund	A wall around a tank to contain its contents in the case of a leak.
Conductivity	Conductivity, an indication of the level of dissolved salts in a sample, usually measured at 20°C and expressed in mS/m.
Fresh	Elevated flow in a stream, such as after heavy rainfall.
g/m 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.
MCI	Macroinvertebrate community index; a numerical indication of the state of biological life in a stream that takes into account the sensitivity of the taxa present to organic pollution in stony habitats.
mS/m	Millisiemens per metre.
Mixing zone	The zone below a discharge point where the discharge is not fully mixed with the receiving environment. For a stream, conventionally taken as a length equivalent to 7 times the width of the stream at the discharge point.
NTU	Nephelometric Turbidity Unit, a measure of the turbidity of water.
O&G	Oil and grease, defined as anything that will dissolve into a particular organic solvent (e.g. hexane). May include both animal material (fats) and mineral matter (hydrocarbons).
pH	A numerical system for measuring acidity in solutions, with 7 as neutral. Numbers lower than 7 are increasingly acidic and higher than 7 are increasingly alkaline. The scale is logarithmic i.e. a change of 1 represents a ten-fold change in strength. For example, a pH of 4 is ten times more acidic than a pH of 5.
Physicochemical	Measurement of both physical properties (e.g. temperature, clarity, density) and chemical determinants (e.g. metals and nutrients) to characterise the state of an environment.
Resource consent	Refer Section 87 of the RMA. Resource consents include land use consents (refer Sections 9 and 13 of the RMA), coastal permits (Sections 12, 14 and 15), water permits (Section 14) and discharge permits (Section 15).
RMA	<i>Resource Management Act 1991</i> and including all subsequent amendments.

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

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

Bibliography and references

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

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

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

Appendix I

Resource consents for the Group A quarries

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

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

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

Decision Date: 18 May 2015

Commencement Date: 18 May 2015

Conditions of Consent

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

Expiry Date: 01 June 2032

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

Site Location: Te Arei Road, Bell Block

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

Grid Reference (NZTM) 1703144E-5678349N

Catchment: Waiongana

Tributary: Mangaoraka

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

General condition

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

Special conditions

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

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

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

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

Consent 5651-2.0

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

Signed at Stratford on 18 May 2015

For and on behalf of
Taranaki Regional Council



A D McLay
Director - Resource Management

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

Name of
Consent Holder: 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 of 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.

Consent 6569-1

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.

Consent 6569-1

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

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

Name of
Consent Holder: Horizon Trust Management Limited
PO Box 414
Wanganui 4540

Decision Date: 10 August 2009

Commencement Date: 10 August 2009

Conditions of Consent

Consent Granted: To install, use and maintain a culvert for access purposes

Expiry Date: 1 June 2024

Review Date(s): June 2018

Site Location: Waiteika Road, Opunake

Grid Reference (NZTM) 1680659E-5634572N

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 culvert pipe shall have a diameter no less than 600 mm and be no longer than 7.5 metres.
2. The fill over the top of the culvert pipe shall be no deeper than 1.5 metres.
3. The consent holder shall notify the Chief Executive, Taranaki Regional Council, in writing at least 48 hours prior to the commencement and upon completion of the initial installation and again at least 48 hours prior to and upon completion of any subsequent maintenance works which would involve disturbance of or deposition to the river bed or discharges to water. Notification shall include the consent number and a brief description of the activity consented and 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. The consent holder shall ensure that the area and volume of riverbed disturbance shall, so far as practicable, be minimised and any areas which are disturbed shall, so far as is practicable, be reinstated.
5. The culvert shall not obstruct fish passage.
6. The invert of the culvert shall at all times be slightly lower than the level of the surrounding riverbed so that it fills with bed material and simulates the natural bed.
7. The gradient of the culvert shall be no steeper than the natural gradient of the stream at the site.
8. The consent holder shall take all reasonable steps to:
 - a. minimise the amount of sediment discharged to the stream;
 - b. minimise the amount of sediment that becomes suspended in the stream; and
 - c. mitigate the effects of any sediment in the stream.

Undertaking work in accordance with *Guidelines for Earthworks in the Taranaki region*, by the Taranaki Regional Council, will achieve compliance with this condition.

Consent 7522-1

9. Except with the written agreement of the Chief Executive, Taranaki Regional Council, the culvert shall be removed and the area reinstated, if and when it is no longer required. A further resource consent may be required to authorise the removal of the structure, and the consent holder is advised to seek advice from the Council on this matter.
10. 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.
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 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 22 November 2016

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

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: Horizon Trust Management Limited
PO Box 414
Wanganui 4540

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: 1 June 2024

Review Date(s): June 2018

Site Location: Waiteika Road, Opunake

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 22 November 2016

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: Horizon Trust Management Limited
PO Box 414
Wanganui 4540

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 2018, June 2020, June 2022,
June 2024, June 2026, June 2028

Site Location: 277 Whenuku Road, Hawera

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;
- 100 cubic metres for every hectare of exposed soil between 1 November to 30 April; and
 - 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.

Transferred at Stratford on 22 November 2016

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.:

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

Name of
Consent Holder: Horizon Trust Management Limited
PO Box 414
Wanganui 4540

Decision Date: 29 July 2015

Commencement Date: 19 August 2015

Conditions of Consent

Consent Granted: To realign and install piping in sections of two unnamed tributaries of the Waingongoro River, including associated disturbance and reclamation of the streambed

Expiry Date: 1 June 2029

Review Date(s): June 2017, June 2023

Site Location: 277 Whenuku Road, Hawera

Grid Reference (NZTM) Between 1705816E-5623165N & 1705908E-5623151N (piping - retro);
Between 1705908E-5623151N & 1706084E-5623270N (temporary piping - retro, then open channel);
Between 1705908E-5623151N & 1705976E-5623105N; &
Between 1705976E-5623105N & 1706073E-5623130N; &
Between 1706073E-5623130N & 1706115E-5623087N; (temporary piping, then open channel);
Between 1706115E-5623087N & 1706163E-5623137N (open channel)
1706174E – 5623160N (proposed wetland)

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. This consent authorises the laying of piping and subsequently filling the piped reach, in accordance with the details provided with the application, between approximate grid references (NZTM):
 - a) Between 1705816E-5623165N & 1705908E-5623151N (A), in approximately 235 metres of stream;
 - b) Between 1705908E-5623151N & 1706084E-5623270N (B), in approximately 95 metres of stream;
 - c) Between 1705908E-5623151N & 1705976E-5623105N (C), in approximately 90 metres of stream;
 - d) Between 1705976E-5623105N & 1706073E-5623130N (D), in approximately 115 metres of stream; and
 - e) Between 1706073E-5623130N & 1706115E-5623087N (E), in approximately 60 metres of stream.

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

2. The piping shall have a diameter no less than 315 mm.
3. This consent also authorises the permanent diversion of the full stream flow through a reconstructed channel, and the reclamation of the stream channel between approximate grid references (NZTM) 1706115E-5623087N & 1706163E-5623137N.
4. The new stream channel shall have:
 - a) have a bed width of no less than 0.4 metres;
 - b) have a channel depth of no less than 0.7 metres; and
 - c) be no steeper than 0.056, being 1 vertical to 18 horizontal.
5. Following the cessation of the quarry operation, the consent holder shall ensure that the piping in the piped streams between the following grid references are removed and fenced and the new stream margins riparian planted, in accordance with the riparian management plan (RMP90388) for the property, between (NZTM):
 - a) 1705908E-5623151N & 1706084E-5623270N (B);
 - b) 1705908E-5623151N & 1705976E-5623105N (C);
 - c) 1705976E-5623105N & 1706073E-5623130N (D); and
 - d) 1706073E-5623130N & 1706115E-5623087N (E).

Consent 10017-1.0

6. The new stream channel shall have the same dimensions as specified in condition 4 above.
7. At the time of implementing the permanent diversion as authorised in condition 5 of this consent, the consent holder shall also construct a wetland at approximate grid reference (NZTM) 1706174E-5623160N.
8. The wetland shall be no less than 100 m² in area and shall be dish-shaped with shallow sloping margins at a maximum depth of 1 metre. The wetland shall be fenced and riparian planted in accordance with RMP90388 for the site. The consent holder shall send a plan of the wetland riparian planting to Te Runanga o Ngaati Ruanui Trust, Fish and Game NZ and Te Korowai o Ngāruahine who may provide comments within 20 working days of its receipt. The consent holder shall advise the Chief Executive, Taranaki Regional Council, once the plan of the wetland riparian planting is sent to Te Runanga o Ngaati Ruanui Trust, Fish and Game NZ and Te Korowai o Ngāruahine for comment.
9. No in-stream works shall take place between 1 May and 31 October inclusive.
10. The consent holder shall ensure that following the removal of piping from the stream channel as required by condition 5, the completed structure shall not obstruct fish passage.
11. The area of works shall be recontoured to ensure that when the capacity of the pipes is exceeded, all excess water flows to a clearly defined secondary flow path (which generally follows the route of the reclaimed stream) into the unnamed tributary of the Waingongoro River.
12. The defined secondary flow path described in condition 11 above shall have a minimum depth of 0.5 metres minimum bottom width of 5 metres with side slopes no steeper than 1 vertical to 3 horizontal.
13. The consent holder shall ensure that:
 - a) concrete manholes are installed along the new piping system at intervals no greater than 150 metres;
 - b) bunds, a minimum of 0.5 metre high and no steeper than 1 vertical to 5 horizontal, are placed across the surface depression directly downstream of the manhole on the piped line to capture surface flow into the manhole;
 - c) the manholes have surface inlets; and
 - d) the surface inlets are protected by silt cloth, to ensure that erosion is minimised, until such time as grass cover is achieved.
14. The piping and the secondary flow path shall be maintained to ensure they do not become blocked, and at all times, allow the free flow of water through them.

Consent 10017-1.0

15. On completion of the realignment work:
 - a) the banks of the reconstructed channel shall have a slope no steeper than 1.5 horizontal to 1 vertical;
 - b) the bed of the reconstructed channel shall be at an appropriate grade so as to provide for fish passage; and
 - c) the reconstructed channel shall be armoured with rock to ensure the bed and banks do not erode.
16. Unless otherwise authorised by the Taranaki Regional Council's Rivers Engineer, and following an assessment of the new stream channel, the consent holder shall ensure that rock rip rap armouring:
 - a) is placed across the entire bed length, width and bank of the new stream channel;
 - b) specification be of no less than the following grading:
 - 100% less than 450 mm diameter;
 - 50% greater than 350 mm diameter; and
 - 90% greater than 200 mm diameter.
17. The consent holder shall ensure that at the confluence of the new stream channel with the Waingongoro River, the new channel is armoured with large rock rip rap to the following requirements:
 - a) the rock rip rap shall extend up the banks of the newly formed channel to a height no less than 3 metres above the mean water level of the Waingongoro River;
 - b) the rock rip rap lining of the true left bank of the Waingongoro River at the location of the confluence with new channel shall extend a minimum of eight metres both upstream and downstream and to a height of 3 metres above mean water level;
 - c) the rock armouring shall be rebated into the banks;
 - d) the rock armouring shall extend up the newly formed channel a minimum distance of 10 metres;
 - e) the specification of the rock rip rap shall be of no less the following grading:
 - 100% less than 1000 mm diameter;
 - 50% greater than 750 mm diameter; and
 - 90% greater than 500 mm diameter.
18. The consent holder shall notify the Chief Executive, Taranaki Regional Council, in writing at least 2 working days prior to commencement of each piping and/or realignment work. Notification shall include the consent number and a brief description of the activity consented and be emailed to worknotification@trc.govt.nz.
19. The consent holder shall undertake and maintain fencing and riparian planting for the entire stream length of the streams on the property, in accordance with the Riparian Management Plan for the property (RMP90388).

20. The fencing and riparian planting required under condition 19 above shall be carried out in accordance with the following programme; except that fencing and planting of the new channel, wetland and 'day-lighted' piping works authorised by this consent, shall be completed within 6 months of the completion of each work:

Length of stream bank to be fenced and planted (m)	Completion date
Up to 1000	1 June 2016
1001 to 3000	1000 metres by June 2016, the remainder by June 2017
More than 3000	1000 metres by June 2016, 3000 metres by June 2017, the remainder by June 2018

21. The consent holder shall take all reasonable steps to:
- minimise the amount of sediment discharged to the stream;
 - minimise the amount of sediment that becomes suspended in the stream; and
 - mitigate the effects of any sediment in the stream.

Undertaking works in accordance with *Guidelines for Earthworks in the Taranaki region*, by the Taranaki Regional Council, will achieve compliance with this condition.

22. No vegetation shall be buried within 20 metres of the piped stream.
23. All earthwork areas shall be stabilised as soon as is practicable immediately following completion of soil disturbance activities.

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 indurated 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 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 Investigating Officer, Taranaki Regional Council, an 80% vegetative cover has been established.

24. The works shall remain the responsibility of the consent holder and be maintained so that any erosion, scour or instability of the streambed or banks that is attributable to the works carried out as part of this consent is remedied by the consent holder.
25. In the event that any archaeological remains are discovered as a result of works authorised by this consent, the works shall cease immediately at the affected site and tangata whenua and the Chief Executive, Taranaki Regional Council, shall be notified within one working day. Works may recommence at the affected area when advised to do so by the Chief Executive, Taranaki Regional Council. Such advice shall be given after the Chief Executive has considered: tangata whenua interest and values, the consent holder's interests, the interests of the public generally, and any archaeological or scientific evidence. The New Zealand Police, Coroner, and Historic Places Trust shall also be contacted as appropriate, and the works shall not recommence in the affected area until any necessary statutory authorisations or consents have been obtained.

Consent 10017-1.0

26. 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.

Transferred at Stratford on 22 November 2016

For and on behalf of
Taranaki Regional Council

A D McLay
Director - Resource Management

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

Name of
Consent Holder: Horizon Trust Management Limited
PO Box 414
Wanganui 4540

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

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.

Transferred at Stratford on 22 November 2016

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: Dennis Mark & Diane Lillian Bourke
158 Onewhaia Road
RD 13
Hawera 4673

Decision Date: 12 June 2014

Commencement Date: 12 June 2014

Conditions of Consent

Consent Granted: To discharge treated contaminated water, from the dewatering of excavations at a quarry site, onto land and into the Waingongoro River

Expiry Date: 01 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)

Grid Reference (NZTM) Between 1707368E-5627083N & 1707328E-5627118N
(Drain & skimmer pits) &
1707311E-5627097N (Discharge point)

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. All contaminated groundwater shall be directed through the newly constructed drains and treated in a settlement pond, constructed between approximate grid references (NZTM) 1707368E-5627083N and 1707328E-5627118N, prior to the discharge into the Waingongoro River.
2. The settlement pond shall have capacity of no less than 168 m³.
3. The discharge outlet into the Waingongoro River shall be designed and located such that there will be no backflow from the river into the settlement 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. There shall be no direct discharge of untreated contaminated groundwater into any surface water.
6. 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.
7. Constituents of the discharge shall meet the standards shown in the following table.

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

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

Consent 9933-1.0

9. After allowing for reasonable mixing, within a mixing zone extending 25 metres downstream of any discharge point, the discharge shall not give rise to any of the following effects in the receiving waters:
 - a) an increase in the suspended solids concentration within the Waingongoro 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 Waingongoro River of more than 50%, where the stream turbidity measured upstream if the discharge is greater than 5 NTU, as determined using NTU.
10. 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.
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 consents@trc.govt.nz.
13. This consent shall lapse on 30 June 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.
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 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 12 June 2014

For and on behalf of
Taranaki Regional Council

A D McLay
Director - Resource Management

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

Name of
Consent Holder: Dennis Mark & Diane Lillian Bourke
158 Onewhaia Road
RD 13
Hawera 4673

Decision Date: 12 June 2014

Commencement Date: 12 June 2014

Conditions of Consent

Consent Granted: To take groundwater incidental to quarry operations in the vicinity of the Waingongoro River

Expiry Date: 01 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
(Site of take)

Grid Reference (NZTM) 1707328E-5627118N

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 taking of groundwater shall be incidental to the quarrying activities at the site.
2. 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.
3. At all times the consent holder shall adopt the best practicable option to prevent or minimise any actual or likely adverse effect on the environment associated with the abstraction of groundwater.
4. This consent shall lapse on 30 June 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.
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 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 12 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: 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.
7. This consent shall lapse on the expiry of five years after the date of issue of this consent, unless the consent is given effect to before the end of that period or the Taranaki Regional Council fixes a longer period pursuant to section 125(1)(b) of the Resource Management Act 1991.

Consent 6585-1

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

Transferred at Stratford on 19 December 2014

For and on behalf of
Taranaki Regional Council

A D McLay
Director - Resource Management

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

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

Decision Date: 24 October 2014

Commencement Date: 24 October 2014

Conditions of Consent

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

Expiry Date: 01 June 2032

Review Date(s): June 2020, June 2026

Site Location: 51 Hydro Road, New Plymouth

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

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

Catchment: Waiwhakaiho

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

General condition

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

Special conditions

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

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

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

Consent 3888-4.0

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

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

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

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

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

Transferred at Stratford on 10 February 2015

For and on behalf of
Taranaki Regional Council

A D McLay
Director - Resource Management

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

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

Decision Date: 24 October 2014

Commencement Date: 24 October 2014

Conditions of Consent

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

Expiry Date: 1 June 2032

Review Date(s): June 2020, June 2026

Site Location: 51 Hydro Road, New Plymouth

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

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

Catchment: Waiwhakaiho

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

General condition

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

Special conditions

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

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

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

Consent 3912-4.0

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

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

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

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

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

Transferred at Stratford on 10 February 2015

For and on behalf of
Taranaki Regional Council

A D McLay
Director - Resource Management

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

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

Decision Date: 21 February 2008

Commencement Date: 21 February 2008

Conditions of Consent

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

Expiry Date: 1 June 2026

Review Date(s): June 2020

Site Location: Hydro Road, New Plymouth

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

Grid Reference (NZTM) 1698060E-5671340N

Catchment: Waiwhakaiho

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

General conditions

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

Special conditions

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

Consent 4912-2

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

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

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

Transferred at Stratford on 10 February 2015

For and on behalf of
Taranaki Regional Council

A D McLay
Director - Resource Management

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

Name of
Consent Holder: 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

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

Name of
Consent Holder: Ravensdown Windy Point Quarry Limited
PO Box 472
New Plymouth 4340

Decision Date: 28 May 2013

Commencement Date: 28 May 2013

Conditions of Consent

Consent Granted: To discharge stormwater onto and into land from quarrying activities

Expiry Date: 1 June 2028

Review Date(s): June 2022

Site Location: Rangitatau West Road, Waitotara

Grid Reference (NZTM) 1759360E-5595856N

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 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.

Transferred at Stratford on 4 October 2016

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: Ravensdown Windy Point Quarry Limited
PO Box 472
New Plymouth 4340

Decision Date: 20 November 2014

Commencement Date: 20 November 2014

Conditions of Consent

Consent Granted: To discharge cleanfill onto and into land

Expiry Date: 1 June 2034

Review Date(s): June 2022, June 2028

Site Location: Rangitatau Road West, Maxwell

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.

Transferred at Stratford on 4 October 2016

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: 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.

Consent 0720-4

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

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

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

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

Signed at Stratford on 30 January 2008

For and on behalf of
Taranaki Regional Council

Director-Resource Management

Discharge Permit

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

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

Consent Granted
Date: 14 January 2000

Conditions of Consent

Consent Granted: To discharge treated stormwater and aggregate washing water [maximum rate 25 litres/second] from quarrying activities into unnamed tributaries of the Manganui Stream in the Oaonui catchment 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 tributaries

Consent 1509-3

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 maximum area of the active quarry stormwater catchment shall be no more than 6 hectares.
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 recirculatory 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.
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 tributaries of the Manganui Stream, at a designated sampling point.

Consent 1509-3

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 tributaries of the Manganui Stream:
 - a) the production of any conspicuous oil or grease films, scums or foams, or floatable or suspended materials;
 - b) any conspicuous change in the colour or visual clarity;
 - c) any emission of objectionable odour;
 - d) the rendering of fresh water unsuitable for consumption by farm animals;
 - e) any significant adverse effects on aquatic life.
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.
13. 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 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.

Transferred at Stratford on 10 July 2000

For and on behalf of
Taranaki Regional Council

General Manager

Water Permit

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

Name of
Consent Holder: Winstone Aggregates Limited
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

Consent 1508-3

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