

Regional Quarry Compliance Monitoring Combined Biennial Report

Northern quarries

Biennial Report

2022-2024

Technical Report 2024-38



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Taranaki Regional Council
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Executive summary

This report for the period 1 July 2022 to 30 June 2024 describes the monitoring programme implemented by Taranaki Regional Council (the Council) to assess the environmental and consent compliance performance of various quarrying operations across Taranaki. The report details the results of the monitoring undertaken and assesses the environmental effects of these activities. In addition, recommendations for the 2022-2024 monitoring period are prescribed for each consent holder. Where applicable, this includes a recommendation relating to an optional review of consents if a review is due in June 2025 and 2026.

At the end of the period under review, there were 21 active quarries being monitored by the Council across the region. These quarries held a total of 44 resource consents, authorising various combinations of water discharges and abstractions, discharges of cleanfill material and stream modifications.

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

The following report details monitoring work carried out in relation to the Northern Quarries, which account for 12 of the region's 21 active quarries. This will be the fifth report to describe the monitoring activities associated with this group of quarries.

The monitoring programmes for the other nine quarries will be included in a separate biennial report (Southern Quarries Compliance Monitoring Report), which also covers the period July 2022 to June 2024. Civil Quarries Ltd's Everett Road quarry is reported on separately.

During the monitoring period:

Jones Quarry Ltd – Kekeua Road, Gibson Family Trust, Goodin AG Ltd and Wiremu Road Quarry Ltd demonstrated a high level of environmental and administrative performance across all of their consents.

Whitaker Civil Quarries demonstrated a high level of environmental and administrative performance in relation to all but one of their respective consents for which they received a good administrative rating.

R J Dreaver demonstrated a good level of environmental performance and a high level of administrative performance across all of their consents.

Jones Quarry Ltd-Hydro Rd demonstrated high environmental and good administrative performance for their stormwater and washwater consents. They demonstrated a good level of environmental performance and a high level administrative performance in relation to their cleanfill consent.

Taranaki Trucking demonstrated a high level of environmental and administrative performance in relation to their abstraction consent. They demonstrated a high level of administrative performance and improvement was required in relation to their environmental performance for their washwater consent.

AA Contracting and GR & LJ Jones – Waitara Quarry demonstrated a good level of environmental and administrative performance in relation to their consents.

Ferndene Quarries Ltd demonstrated that improvement was required in relation to their environmental performance across all three consents. They demonstrated high administrative performance in relation to their stormwater and washwater consents and improvement was required in relation to their administrative performance for their cleanfill consent.

Jones Quarry Ltd - Uruti demonstrated a poor level of environmental performance in relation to their washwater, stormwater and abstraction consents. They demonstrated a poor level of administrative

performance in relation to their abstraction consent. Improvement was required in relation to the administration of their washwater and stormwater consents.

Ferndene Quarries Ltd received two abatement notices in relation to their groundwater consent. A flowmeter had not been installed to record the rate of incidental groundwater take and an independent monitoring programme had not been implemented to assess the effects of the quarry activity upon the surrounding aquifer. The flowmeter was subsequently installed and data was telemetered to the Council from October 2023. The Company was granted until 1 December 2024 to implement a groundwater monitoring programme. An abatement notice was also issued in relation to non-compliant sampling results. At subsequent inspections, sampling results demonstrated that the site was compliant with consent conditions and the abatement notice.

Jones Uruti Quarry Ltd received an infringement notice in November 2022 for the discharge of sediment-laden stormwater into the receiving environment. In May 2024, the Company received two abatement notices for exceedances of consented limits for their washwater and stormwater consents. A third abatement notice was issued for failing to telemeter water take data to the Council and for exceeding consented take limits.

Issues with environmental performance across sites generally related to exceedances of consented limits, stormwater catchments and cleanfill extents. Issues with administrative performance generally related to failing to update management plans or to supply data.

For reference, in the 2022/23 year, consent holders were found to achieve a high level of environmental performance and compliance for 878 (87%) of a total of 1007 consents monitored through the Taranaki tailored monitoring programmes, while for another 96 (10%) of the consents a good level of environmental performance and compliance was achieved. A further 27 (3%) of consents monitored required improvement in their performance, while the remaining one (<1%) achieved a rating of poor.

For reference, in the 2023/24 year, consent holders were found to achieve a high level of environmental performance and compliance for 864 (89%) of a total of 967 consents monitored through the Taranaki tailored monitoring programmes, while for another 75 (8%) of the consents a good level of environmental performance and compliance was achieved. A further 26 (3%) of consents monitored required improvement in their performance, while the remaining two (<1%) achieved a rating of poor.

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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 sixth combined biennial report written by Taranaki Regional Council (the Council) for the quarry monitoring programmes in the region. For the purposes of compliance monitoring and reporting, the Council splits quarrying operations into two distinct geographic sub-groups (Northern and Southern). Each monitoring programme is reported on biennially.

This report covers the period from July 2022 to June 2024 and includes monitoring results for the Northern Quarries, which account for 12 of the region's 21 active quarries. The monitoring results for the Southern Quarries for the same monitoring period are contained in a separate biennial report. Civil Quarries Ltd's Everett Road Quarry is reported on separately.

This report describes the results and findings of the monitoring programmes implemented by the Council with respect to 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 2-41 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
- a description of the categories used to evaluate environmental and administrative performance

1.1.3 The Resource Management Act 1991 and monitoring

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

- the neighbourhood or the wider community around an activity, and may include cultural and social-economic effects;
- physical effects on the locality, including landscape, amenity and visual effects;
- ecosystems, including effects on plants, animals, or habitats, whether aquatic or terrestrial;
- natural and physical resources having special significance (for example recreational, cultural, or aesthetic); and
- 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' in as much 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

Besides discussing the various details of the performance and extent of compliance by the consent holders, this report also assigns a rating as to each Company's environmental and administrative performance during the period under review. The rating categories are high, good, improvement required and poor for both environmental and administrative performance. The interpretations for these ratings are found in Appendix II.

For reference, in the 2022/23 year, consent holders were found to achieve a high level of environmental performance and compliance for 878 (87%) of a total of 1007 consents monitored through the Taranaki tailored monitoring programmes, while for another 96 (10%) of the consents a good level of environmental performance and compliance was achieved. A further 27 (3%) of consents monitored required improvement in their performance, while the remaining one (<1%) achieved a rating of poor.

For reference, in the 2023/24 year, consent holders were found to achieve a high level of environmental performance and compliance for 864 (89%) of a total of 967 consents monitored through the Taranaki tailored monitoring programmes, while for another 75 (8%) of the consents a good level of environmental

performance and compliance was achieved. A further 26 (3%) of consents monitored required improvement in their performance, while the remaining two (<1%) achieved a rating of poor.¹

1.2 Quarrying in Taranaki

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

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

Currently, there are 21 quarries in the region that are monitored by the Council. These quarries are generally located in 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 (85kN) 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.

¹ The Council has used these compliance grading criteria for more than 20 years. They align closely with the 4 compliance grades in the MfE Best Practice Guidelines for Compliance, Monitoring and Enforcement, 2018

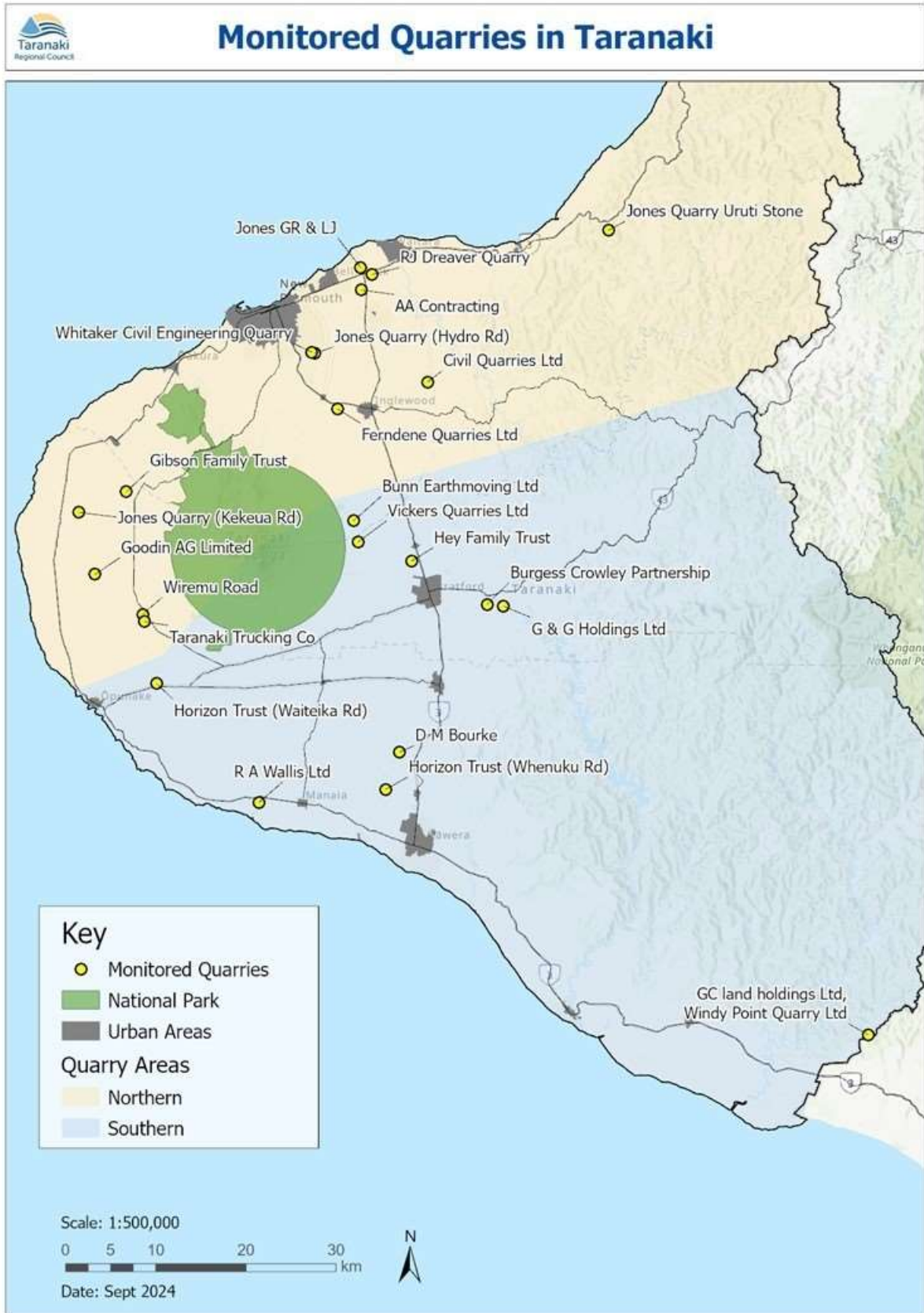


Figure 1 Map showing monitored quarries in Taranaki

1.3 Summary of resource consents held for Taranaki quarries

A summary of resource consents held by the Northern quarries during the 2022-2024 monitoring period is presented in Table 1.

Table 1 Northern quarries current resource consents

Consent holder	Consent number	Consent type	Next review	Location
AA Contracting	5651-2	D _s , D _w	June 2026	Te Arei Road, Lepperton
	11150-1.0	D _c	June 2026	
Ferdene Quarries Ltd	6453-2	D _s	June 2026	Upland Road, Tarurutangi
	7089-1.2	D _c	Expires 1 June 2026	
	10848-1	IGT	June 2026	
GR and LJ Jones	6274-2	D _s , D _w	June 2026	Mahoetahi Road, Waitara
	7439-1	D _c	Expires 1 June 2026	
Gibson Family Trust, Puniho Road	9547-2	D _s	June 2025	Puniho Road, Okato
Goodin AG Ltd	6585-2	D _s	June 2025	Kahui Road, Rahotu
Jones Quarry Ltd	3888-4	D _s	June 2026	Hydro Road, New Plymouth
	3912-4	D _w	June 2026	
	4912-2	D _c	Expires 1 June 2026	
Jones Quarry Uruti Stone Ltd	5124-2.1	D _s	June 2027	Main North Road, Uruti
	6272-2	D _w	June 2027	
	10143-1	SM	June 2027	
	10146-1.1	T	June 2027	
Jones Quarry Ltd	10715-1	D _s	June 2025	Kekeua Road, Warea
RJ Dreaver	9526-1	D _s	June 2026	Kairau Road, Brixton
	9527-1	D _c	June 2026	
Taranaki Trucking Company Ltd	2293-3.1	T	No further reviews	Wiremu Road, Opunake
	2184-3	D _w	No further reviews	
Whitaker Civil Engineering Ltd	7236-1	D _s	Expires June 2026	Waiwhakaiho Road, New Plymouth
	0720-4	D _w	Expires June 2026	
	3900-2	D _c	Expires June 2026	
Winstone Aggregates Ltd	1509-4	D _s , D _w	June 2030	Wiremu Road, Opunake
	10583-1	T	June 2027	

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

Note: Semi bold review dates occur prior to authoring the next biennial report (2024-2026)

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

Table 2 Resource consents held by Civil Quarries Ltd

Consent holder	Consent number	Consent type	Next review	Location
Civil Quarries Ltd	1113-5.1	D _s	June 2026	Everett Road, Inglewood
	10247-1.1	T	June 2026	

KEY: D_s discharge treated stormwater T take water for quarrying purposes

A summary of resource consents held by quarries operating in southern Taranaki (reported separately) covering the 2022-2024 monitoring period is presented in Table 3.

Table 3 Southern quarries current resource consents

Consent holder	Consent number	Consent type	Next review	Location
Bunn Earthmoving Ltd	10527-1.0	D _s	June 2027	Surrey Road Tariki
Burgess Crowley Partnership	6505-1	D _c	Expired June 2022	East Rd, Stratford
	7963-1	D _s	Expires June 2028	
	7964-1.1	IGT	Expires June 2028	
D M Bourke	5001-2	D _s	June 2029	Onewhaia Rd, Te Roti
	9933-1	D _G	June 2029	
	9934-1	IGT	June 2029	
Hey Family Trust Ltd	7123-2.0	D _s	June 2025	Monmouth Rd, Stratford
Horizon Trust Management Ltd, Waiteika Road	7519-2	D _s , D _w	June 2030	Waiteika Rd, Opunake
	7522-2	C	June 2030	
Horizon Trust Management Ltd, Whenuku Road	7845-1.2	D _s , D _G	Expires June 2029	Whenuku Rd, Hawera
	10017-1	SM	Expires June 2029	
	10018-1	IGT	Expires June 2029	
Horizon Trust Management Ltd, Whenuku Road	10905-1.0	DC	June 2025	Whenuku Rd, Hawera
	10866-1.0	DS	June 2025	
	10865-1.0	SM	June 2025	
	10864-1.0	IGT	June 2025	
GC Land Holdings Ltd, Windy Point Quarry Ltd	9570-1	D _s	Expires June 2028	Rangitatau West Rd, Waitotara
	9972-1.2	D _c	June 2028	
	11216-1.0	D _s	June 2028	
R A Wallis Ltd, Lower Glenn Road	9600-1	D _s	June 2029	Lower Glenn Road, Manaia
	10351-1.0	SM	Expires June 2029	
G & G Holdings Ltd	5002-2	D _s , D _w	Expires June 2028	Bird Rd, Stratford
Vickers Quarries Ltd, York Road	4905-3.1	D _s , D _G , D _w	June 2026	York Road, Midhirst
	5218-2.1	D _s , D _G	June 2026	
	7360-1	SM	Expires June 2027	
	9850-1	IGT	June 2026	
	9812-1.1	SM	June 2026	

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

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

1.4 Monitoring programme

1.4.1 Introduction

Section 35 of the RMA sets obligations upon the Council to gather information, monitor and conduct research on the exercise of resource consents within the Taranaki region. The Council is also required to assess the effects arising from the exercising of these consents and report upon them.

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

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

1.4.2 Programme liaison and management

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

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

1.4.3 Site inspections

Each quarry is subject to a minimum of two inspections per monitoring year. One inspection occurs during the summer months, the other occurs during wet weather. The compliance performance of a site will dictate whether additional inspections are required. Regarding consents for discharge to water, the main points of interest are compliance with discharge limits and plant processes with potential or actual discharges to receiving watercourses. This includes the treatment of contaminated stormwater and process wastewater prior to discharge. The main points of interest for abstraction consents are compliance with abstraction limits and monitoring potential effects upon the surrounding aquifer. Air inspections focus on plant processes with actual and potential emission sources and characteristics, including potential odour, dust, noxious or offensive emissions. Sources of data collected by the consent holder are also identified and obtained, so that performance in relation to operation, internal monitoring, and supervision can be reviewed by the Council. The surrounds are also surveyed for environmental effects.

1.4.4 Chemical sampling

The Council may sample site discharges and the receiving environment if 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 sample parameters that are typically analysed include conductivity, pH, suspended solids, turbidity and hydrocarbons.

1.4.5 Data review

Quarries may hold resource consents which stipulate that water abstraction data is recorded and supplied to the Council. These records are reviewed to ensure that abstraction has been managed according to the specifications of the consent.

1.4.6 Biomonitoring surveys

Biological surveys may be conducted in tributaries or streams in the vicinity of the quarry site to determine if discharges have had an adverse effect upon aquatic communities.

1.5 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 monitoring period matters may arise which require additional activity by the Council, for example provision of advice and information, or investigation of potential or actual instances of non-compliance or failure to maintain good practices. A proactive approach that in the first instance avoids issues occurring is favoured.

For all significant compliance issues, as well as complaints from the public, the Council maintains a database record. The record includes events where the individual/organisation concerned has itself notified the Council. Details of any investigation and corrective action taken are recorded for non-compliant events.

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

Unless otherwise stated in the site specific report card section, the Council was not required to undertake significant additional investigations and interventions, or record incidents, in association with the Company's conditions in resource consents or provisions in Regional Plans during the 2022-2024 period.

2. AA Contracting Ltd – Te Arei Road 15th Compliance Monitoring Biennial Report 2022-2024

2.1 Introduction

AA Contracting Ltd (the Company) operates a site at Te Arei Road, located on the true left bank of the Mangaoraka Stream in Lepperton, in the Waiongana Catchment (Figure 2). The Company currently holds Resource Consent 5651-2.0 to discharge treated stormwater and washwater from quarry operations into land and into the Mangaoraka Stream and Resource Consent 11150-1.0 to discharge cleanfill onto and into land for quarry reinstatement purposes. The current footprint of the site including the excavation face, storage areas and sediment retention ponds is approximately 2.43ha.

The quarry site is contoured and bunded to direct stormwater into the two-pond treatment system. The final pond discharges to the Mangaoraka Stream via a flap which has been installed to prevent backflow of the stream into the sediment retention ponds. The cleanfill consent was granted in March 2024 for the purposes of site rehabilitation and allows the Company to discharge cleanfill material into an old stormwater pond (Figure 2 & Photo 1) which has been disconnected from the treatment system. The pond contains groundwater which is drawn to wash aggregate. The quarry's active excavation face and stockpiling area are found at the northern end of the site (Photo 2). The *Regional Fresh Water Plan for Taranaki (TRC, 2021)* identifies the Waiongana Stream and its tributaries (which includes the Mangaoraka Stream) as having high natural ecological and amenity value. Specifically, it is identified as being highly valued for angling, and highly rated for recreation including whitebaiting. Thus, it is particularly important for the quarry's stormwater system to be appropriately managed.



Figure 2 AA Contracting Ltd quarry, sampling sites shown in yellow



Photo 1 Former stormwater pond into which cleanfill material is discharged as part of the site rehabilitation plan

Note: This pond is isolated from the stormwater treatment system, 23 May 2024



Photo 2 Excavation and stockpiling area at the northern end of the quarry site, 23 May 2024

2.2 Resource consents

Consent number	Purpose	Granted	Review	Expires
5651-2	To discharge treated stormwater and washwater from quarry operations into land and into the Mangaoraka Stream	18 May 2015	1 June 2026	1 June 2032
11150-1.0	To discharge cleanfill onto and into land for quarry reinstatement purposes	05/03/2024	June 2026	01/06/2038

Copies of consents are included in Appendix I.

2.3 Compliance monitoring programme

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

2.4 Site inspections

Six inspections were undertaken at the Te Arei Road quarry during the 2022-2024 period. One of these inspections was conducted in response to a new cleanfill application submitted by the Company.

February & June 2023 (compliance monitoring)

At the February and June 2023 inspections, the inspecting officer noted that there was no activity onsite and all stormwater appeared to be directed to a settlement pond for treatment. No evidence of adverse effects upon the receiving environment were noted. The site was deemed compliant with consent conditions.

19 September 2023 (cleanfill consent)

The site was inspected in response to a new cleanfill application submitted by the Company. Cleanfill material had been deposited adjacent to the drain which leads to the final settlement pond. The drain and the final pond appeared turbid in colour. Visual inspection of the discharge point revealed a plume of sediment discharging into the Mangaoraka Stream. Photographs were taken of the plume. Water samples were taken at the designated sampling points and were sent for analysis. The sampling results demonstrated that the site was non-compliant with consent conditions, however due to differences in turbidity test methods, the results were deemed compliant at the time of sampling as the FNU results were interpreted.

17 October 2023 (compliance monitoring)

The inspecting officer noted that little activity was occurring at the time of inspection. No aggregate was being washed. The main sediment pond was discharging into the final sediment pond via the interconnecting drain. No adverse effects of the discharge to the Mangaoraka Stream were noted. The consent holder was advised that the discharge outlet to the stream must prevent backflow of the stream into the sediment treatment system and that the cleanfill material which had been discharged adjacent to the pond must be stabilised with vegetation. The inspecting officer and consent holder agreed upon a timeframe to plan installation of infrastructure to prevent backflow. The site was deemed compliant provided that the required work would be completed.

23 January 2024 (compliance monitoring)

There was very little activity onsite at the time of inspection. The site was contoured and bunded to direct stormwater to the northern sediment pond which was discharging steadily into the southern pond. A trickle discharge was observed to be entering the small cut off pond via a pipe running beneath the land bridge. The fill material around this pond was adequately stabilised with grass; the water appeared clear. Mounds of overburden were observed near the quarry buildings. The final sediment retention pond near the discharge point was turbid. The recently installed structure which prevents backflow from the stream entering the treatment train was inspected. Water was discharging steadily into the Mangaoraka Stream which was at a lower level than the discharge outlet. This created a minor sediment plume however, the Mangaoraka Stream was fairly turbid and discoloured, therefore the effects of the discharge upon the receiving environment were deemed negligible and no sampling was undertaken. No hydrocarbon sheen was noted in any of the ponds or in the discharge. The site was compliant at the time of inspection.

23 May 2024 (compliance monitoring)

The inspecting officer noted that the quarry appeared well presented and tidy. The majority of the water in the northern most sediment pond had been removed. In the future, this would act as the new stormwater pond. Cleanfill material was noted to have been discharged into the former stormwater pond at the southernmost end of the site. As part of the new cleanfill consent, the former pond was required to be disconnected from the treatment train prior to discharge of cleanfill. The inspecting officers noted that this had not been actioned. The site was deemed non-compliant with respect to this consent condition. An eight week timeframe was set for works to be completed. Displaced water from the cleanfill pond will in the future be pumped into the northern pond for treatment prior to discharge. The consent holder was still in the process of connecting this pond to the remainder of the treatment train. He was advised that his consent also required him to install a shutoff valve.

The cleanfill site appeared tidy and partially vegetated, material adjacent to the drain required stabilisation. Water was discharging into the Mangaoraka Stream from the final pond. While this created a small plume, it dissipated rapidly within a short distance from the outlet. The steel flap which was installed to prevent backflow of the stream into the settlement ponds was found to be open and required shutting. A washplant was noted to have been installed next to the cleanfill pond in the southern part of the quarry. The consent holder stated that groundwater was being extracted from this pond and was being used to wash aggregate. He was advised that a water take consent may be required and that the Council's Consents Department should be contacted.

2.4.1 Chemical sampling

Water sampling was undertaken on one occasion during the period under review. The samples were tested for pH, electrical conductivity (EC), total suspended solids (TSS), total petroleum hydrocarbons (TPHC). In addition, a comparison was made of the effects of the discharge upon the increment in suspended solids and turbidity at the downstream site in relation to the upstream site. The results are presented in Table 4 to Table 6. Samples were collected from each of the monitoring locations shown in Figure 2.

2.5 Results

2.5.1 Water

2.5.1.1 Results of receiving environment monitoring

Table 4 Results of chemical analysis STW002043

Parameter	Units	STW002043
		19 September 2023
Turbidity	NTU	35
pH	pH units	7.0
EC	mS/m	27.4
TSS	g/m ³	23
TPHC	g/m ³	<4

Table 5 Results of chemical analysis MRK000454

Parameter	Units	MRK000454 25m D/S
		19 September 2023
Turbidity	NTU	0.92 (0.84)
pH	pH units	7.3
EC	mS/m	18.1
TSS	g/m ³	<3
TPHC	g/m ³	<0.7

Note: Results in brackets indicate the threshold turbidity limit

Table 6 Results of chemical analysis MRK000450

Parameter	Units	MRK000450 U/S
		19 September 2023
Turbidity	NTU	0.56
pH	pH units	7.3
EC	mS/m	18.1
TSS	g/m ³	<3
TPHC	g/m ³	<0.7

2.6 Incidents, investigations and interventions

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

Table 7 below sets out details of any incidents recorded, additional investigations, or interventions required by the Council in relation to the Company's activities during the 2022-2024 period. This table presents details of all events that required further investigation or intervention regardless of whether these were found to be compliant or not.

Table 7 Incidents, investigations, and interventions summary table

Date	Details	Compliant (Y/N)	Enforcement Action Taken?	Outcome
23/05/2024	Cleanfill pond was not disconnected from the treatment train as per the requirements of condition 11 of Consent 11150-1.0	N	N	The Company was given eight weeks to disconnect the cleanfill pond. Reinspection found the pond was disconnected.

2.7 Discussion

2.7.1 Discussion of site performance

The site generally appeared tidy and well managed during the 2022-2024 monitoring period. Issues raised by the Council including the installation of a flap to prevent backflow of the Mangaoraka Stream into the sediment ponds, installation of a shut off valve and disconnection of the cleanfill discharge pond from the treatment train were either promptly addressed, or were addressed as soon as was practicable. Samples were obtained during the September 2023 inspection and demonstrated that the site was non-compliant with consent conditions. However, due to differences in turbidity test methods, the results were deemed compliant at the time of sampling as the FNU results were interpreted. At the time of writing the report, the Company was yet to contact the Council's Consents Department to determine whether a consent was required to use groundwater for aggregate washing.

2.7.2 Environmental effects of exercise of consents

The Council monitors for possible effects on stream life by conducting a visual inspection of the discharge from the quarry and streambed both up and downstream of the quarry discharge point. Sampling at this site is conducted at the discretion of the inspecting officer.

Water samples were obtained during the September 2023 inspection as the discharge created a noticeable sediment plume in the Mangaoraka Stream. The sampling results demonstrated that the site was non-compliant with consent conditions (Table 4 to Table 6), however, no enforcement action was taken as the results were interpreted in FNU rather than NTU. During the monitoring period under review, the Company's activities did not have significant adverse effects upon the receiving environment.

2.7.3 Evaluation of performance

A tabular summary of the Company's compliance record for the period under review is set out in Table 8 to Table 11.

Table 8 Summary of compliance with Consent 5651-2 over the 2022-2024 monitoring period

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

Purpose: To discharge treated stormwater and washwater from quarry operations into land and into the Mangaoraka Stream		
Condition requirement	Means of monitoring during period under review	Compliance Achieved?
5. Treatment system banded to prevent inflow of surrounding stormwater	Site inspections	Yes
6. Progressive reinstatement of the quarry to minimise the area of exposed earth and stormwater catchment	Site inspections	Yes
7. Best practicable option to prevent or minimise adverse effects	Site inspections	Yes
8. Treated stormwater to comply with chemical limits prior to discharge into receiving waters	Inspection of discharge and receiving water	Yes
9. Beyond the mixing zone, discharge shall not affect the physical characteristics of receiving waters of the Mangaoraka Stream	Inspections of the river	Yes
10. Beyond the mixing zone, the discharge shall not breach turbidity limits.	Inspections of the river & sampling	No. Downstream turbidity results were slightly over the limit when interpreted in NTU as per consent conditions
11. Maintain and review contingency plan	Contingency plan reviewed June 2016	No. Requires updating
12. Notification prior to any changes in processes or operations at the site	Receipt of notification	N/A
13. Review clause	Option to review in June 2026	N/A
Overall assessment of consent compliance and environmental performance in respect of this consent		Good
Overall assessment of administrative performance in respect of this consent		Good

Table 9 Evaluation of environmental performance over time

Year	Consent numbers	High	Good	Improvement req	Poor
2019/20	5179-2	x			
2020/21	5179-2	x			
2021/22	5179-2	x			
2022/23	5179-2	x			
2023/24	5179-2		x		

During the monitoring period under review, the Company demonstrated a good level of environmental performance and a good level of administrative performance with respect to Consent 5179-2 as defined in Appendix II. In terms of environmental performance, a shut-off valve was yet to be installed. In terms of administrative performance, an updated Contingency Plan had not been supplied to the Council since 2016.

Table 10 Summary of compliance with consent Consent 11150-1.0 over the 2022-2024 monitoring period

Purpose: To discharge cleanfill onto and into land for quarry reinstatement purposes		
Condition requirement	Means of monitoring during period under review	Compliance Achieved?
1. Exercise of consent undertaken in general accordance with submitted documentation	Inspections of site and river.	Yes
2. Mitigate erosion and sediment runoff risks in accordance with certified Erosion and Sediment Control Plan	Site inspections	Yes
3. Discharge of cleanfill to occur only in permitted areas	Site inspections	Yes
4. The contaminants to be discharged shall be limited to cleanfill and/or inert materials.	Site inspections	Yes
5. No discharge of prohibited contaminants	Site inspections	Yes
6. Obtain written approval prior to discharge of questionable material	Site inspections	N/A
7. Records of material discharged	Site inspections	Not assessed
8. Discharge to land shall not result in any contaminant entering surface water or groundwater.	Inspection of discharge and receiving water	Yes
9. Adopt best practicable option to avoid or minimise adverse effects	Inspections of the site and river	Yes
10. Satisfactory stabilisation of site upon completion	Site inspections	N/A site active
11. Pond which cleanfill is discharged to must be separate from the treatment system	Site inspections	Yes
12. Give effect to the consent prior to its five year lapse time frame	Receipt of notification	Exercised
13. Review clause	Option to review in June 2026, 2032	N/A
Overall assessment of consent compliance and environmental performance in respect of this consent		High
Overall assessment of administrative performance in respect of this consent		High

Table 11 Evaluation of environmental performance for Consent 11150-1.0

Year	Consent numbers	High	Good	Improvement req	Poor
2023/24	11150-1.0	x			

During the monitoring period under review, the Company demonstrated a high level of environmental and administrative performance with respect to Consent 11150-1.0 as defined in Appendix II.

2.7.4 Recommendations from the 2020-2022 Biennial Report

In the 2020-2022 Biennial Report, it was recommended:

1. THAT monitoring of AA Contracting Ltd's Te Arei Road quarry site in the 2022-2024 period continues at the same level as in 2020-2022 with two inspections per year, one to occur during summer and one during wet weather. Discharge samples are to be collected if warranted.

Recommendation 1 was implemented during the 2022-2024 monitoring period.

2.7.5 Alterations to monitoring programmes for 2024-2026

In designing and implementing the monitoring programmes for air/water discharges in the region, the Council has taken into account:

- the extent of information already made available through monitoring or other means to date;
- its relevance under the RMA;
- the Council's obligations to monitor consented activities and their effects under the RMA;
- the record of administrative and environmental performances of the consent holder; and
- reporting to the regional community.

The Council also takes into account the scope of assessments required at the time of renewal of permits, and the need to maintain a sound understanding of industrial processes within Taranaki exercising resource consents.

There are no planned changes for 2024-2026 monitoring programme.

It should be noted that the proposed programme represents a reasonable and risk-based level of monitoring for the site(s) in question. The Council reserves the right to subsequently adjust the programme from that initially prepared, should the need arise if potential or actual non-compliance is determined at any time during 2024-2026.

2.7.6 Exercise of optional review of consent

Resource Consents 5651-2 and 11150-1.0 provide for an optional review of the consent in June 2026. Condition 13 of both consents allow the Council to review the consents if there are grounds that the conditions are not adequate to deal with adverse effects in the environment arising from the exercise of this resource consent, which were either not foreseen at the time the application was considered or which were not appropriate to deal with at the time.

Based on the results of monitoring in the year under review, and in previous years as set out in earlier annual compliance monitoring reports, it is considered that there are no grounds that require a review to be pursued or grounds to exercise the review option.

2.7.7 Recommendations for 2024-2026

1. THAT monitoring of AA Contracting Ltd's Te Arei Road quarry site in the 2024-2026 period continues at the same level as in 2022-2024 with two inspections per year, one to occur during summer and one during wet weather. Discharge samples are to be collected if warranted.
2. THAT monitoring frequency should reflect the performance of the Company and be adjusted if the need arises.

3. Jones Quarry Ltd – Kekeua Road 4th Compliance Monitoring Biennial Report 2022-2024

3.1 Introduction

Kekeua Road quarry is located on the true right bank of the Mangaone Stream 7, off Kekeua Road, Warea (Figure 3 & Photo 3). The quarry changed ownership from Coastal Drainage Ltd to Jones Quarry Ltd (the Company), and a new consent was issued in February 2019. Minimal to no activity has occurred onsite during the monitoring period. Stormwater for the site is currently being channelled into a soak hole (Photo 4), with no direct discharge of stormwater occurring to the nearby Mangaone Stream 7.



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



Photo 3 Jones Quarry Ltd Kekeua Road quarry, 1 February 2024



Photo 4 Soakaway pond with raupō occupying a small area of standing water

Note: The Mangaone Stream flows adjacent to the quarry to the left of the photograph. There is no discharge of stormwater directly to the stream

3.2 Resource consents

Consent number	Purpose	Granted	Review	Expires
10715-1.0	To discharge stormwater contaminated with sediment onto and into land from a quarry site	18 February 2019	June 2025	1 June 2037

Copies of consents are included in Appendix I.

3.3 Compliance monitoring programme

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

3.4 Site inspections

Four inspections were undertaken at Kekeua Road quarry during the 2022-2024 period.

No site activity was noted at all four inspections. The site was appropriately contoured to direct stormwater to the soak hole in the north-eastern corner. By virtue of disuse, the site was showing signs of reversion and partial stabilisation. At the May 2024 inspection, the inspecting officer noted that should activity at the site resume, notice should be given to the Council seven days prior to the commencement of work. Additionally, a 25m section of bunding along the north-eastern margin of the site would require immediate repair.

3.4.1 Chemical sampling

No water samples were taken during the 2022-2024 monitoring period as the site was inactive and no discharge was occurring to the Mangaone Stream.

3.5 Incidents, investigations, and interventions

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

For all significant compliance issues, as well as complaints from the public, the Council maintains a database record. The record includes events where the individual/organisation concerned has itself notified the Council. Details of any investigation and corrective action taken are recorded for non-compliant events.

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 individual/organisation is indeed the source of the incident (or that the allegation cannot be proven).

In the 2022-2024 period, the Council was not required to undertake significant additional investigations and interventions, or record incidents, in association with the Company's conditions in resource consents or provisions in Regional Plans.

3.6 Discussion

3.6.1 Discussion of site performance

No activity was recorded onsite during the monitoring period under review. The site appeared to be reverting and was self-stabilising with disuse. Adequate stormwater controls were in place to ensure that sediment laden stormwater was directed to the soakhole at the north-eastern section of the site. Most bunding was sufficient and the banks of the Mangaone 7 Stream were stabilised with vegetation. Should works resume, notice should be given to the Council seven days prior to the commencement of work. In addition, bunds adjacent to the stream would require immediate repair. Visual inspections of the receiving environment demonstrated that the site was not adversely impacting the stream at the time of the monitoring inspections.

3.6.2 Environmental effects of exercise of consents

No adverse effects were noted at inspections during the monitoring period under review.

3.6.3 Evaluation of performance

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

Table 12 Summary of compliance with Consent 10715-1 over the 2022-2024 monitoring period

Purpose: To discharge stormwater contaminated with sediment onto and into land from a quarry site		
Condition requirement	Means of monitoring during period under review	Compliance Achieved?
1. Active area not to exceed 0.46ha	Site inspections & desk assessment	Yes
2. Earthworks to be undertaken in accordance with guidelines	Site inspections	N/A. No activity onsite during monitoring period
3. Runoff to pass through sediment retention ponds	Site inspections	Yes
4. Stabilisation of soil following disturbance activities	Site inspections	N/A
5. Seven working days' notice prior to commencement of works	Receipt of notification	N/A
6. Adopt best practicable option to prevent or minimise adverse effects	Site inspections	Yes
7. Lapse date 31 March 2024	Site inspections/notification	N/A
8. Review clause	Next review option June 2025	N/A
Overall assessment of consent compliance and environmental performance in respect of this consent		High
Overall assessment of administrative performance in respect of this consent		High

Table 13 Environmental performance for Consent 10715-1

Year	Consent numbers	High	Good	Improvement req	Poor
2018-2020	5179-2	x			
2020-2022	5179-2	x			
2022-2024	5179-2	x			

Overall, the Company received a high rating for both their environmental and administrative performance in the monitoring period from 1 July 2022 to 30 June 2024.

3.6.4 Recommendations from the 2020-2022 Biennial Report

In the 2020-2022 biennial Report, it was recommended:

1. THAT monitoring of Jones Quarry Ltd's Kekeua Road quarry site in the 2022-2024 period continues at the same level as in 2020-2022 with two inspections per year, one to occur during summer and one during wet weather. Discharge samples are to be collected if warranted.

Recommendation 1 was implemented during the 2022-2024.

3.6.5 Alterations to monitoring programmes for 2024-2026

In designing and implementing the monitoring programmes for air/water discharges in the region, the Council has taken into account:

- the extent of information already made available through monitoring or other means to date;
- its relevance under the RMA;
- the Council's obligations to monitor consented activities and their effects under the RMA;
- the record of administrative and environmental performances of the consent holder; and
- reporting to the regional community.

The Council also takes into account the scope of assessments required at the time of renewal of permits, and the need to maintain a sound understanding of industrial processes within Taranaki exercising resource consents.

There are no planned changes for 2024-2026 monitoring programme.

It should be noted that the proposed programme represents a reasonable and risk-based level of monitoring for the site(s) in question. The Council reserves the right to subsequently adjust the programme from that initially prepared, should the need arise if potential or actual non-compliance is determined at any time during 2024-2026.

3.6.6 Exercise of optional review of consent

Resource Consent 10715-1 provides for an optional review of the consent in June 2025. Condition eight allows the Council to review the consent if there are grounds that the conditions are not adequate to deal with 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 were not appropriate to deal with at the time.

Based on the results of monitoring in the year under review, and in previous years as set out in earlier biennial compliance monitoring reports, it is considered that there are no grounds that require a review to be pursued or grounds to exercise the review option.

3.6.7 Recommendations for 2024-2026

1. THAT monitoring of Jones Quarry Ltd's Kekeua Road quarry site in the 2024-2026 period continues at the same level as in 2022-2024 with two inspections per year, one to occur during summer and one during wet weather. Discharge samples are to be collected if warranted.
2. THAT monitoring frequency should reflect the performance of the Company and be adjusted if the need arises.

4. Ferndene Quarries Ltd 9th Compliance Monitoring Biennial Report 2022-2024

4.1 Introduction

Ferndene Quarries Ltd (the Company) operates a quarry situated on the true right of an unnamed tributary of the Mangaoraka Stream in the Waiongana Catchment, at Upland Road, Egmont Village (Figure 4). The quarry began operating in 2004. Activities on site include aggregate extraction followed by crushing, sorting, washing and stockpiling. Stormwater, washwater and groundwater seepage is channelled into a series of five settlement ponds. Treated stormwater is discharged to the unnamed tributary of the Mangaoraka Stream and is likely to contain suspended sediment and may include hydrocarbons lost from machinery.

The Company was granted a consent renewal for the stormwater discharge which encompasses discharge of treated washwater and groundwater seepage. During the 2018-2020 monitoring period, it was determined that groundwater was seeping into the current extraction pit (Photo 5), therefore an incidental groundwater take consent was required. This was granted in October 2020. The abstraction data has been telemetered to the Council since October 2023. A consent renewal was issued for the cleanfill discharge consent in April 2022. This permits the disposal of sludge from South Taranaki District Council's Water Treatment Plant and the New Plymouth District Council Water Treatment Plant at the quarry.

The *Regional Fresh Water Plan for Taranaki (TRC, 2021)* identifies the Waiongana Stream and its tributaries (which includes the Mangaoraka Stream) as having high, natural ecological and amenity value. Specifically, it is identified as being highly valued for angling, and highly rated for recreation including whitebaiting. Thus, it is particularly important for the quarry stormwater system to be managed appropriately. Following aggregate extraction, the site progressively reinstated by infilling with cleanfill material. The area is then covered with stockpiled overburden prior to being restored to pasture.



Figure 4 Ferndene Quarries Ltd site location map, showing unnamed tributary of the Mangaoraka Stream and sampling location (red polygon)



Figure 5 Ferndene Quarry sampling sites



Photo 5 Main excavation pit

Note: The groundwater seepage is pumped to the stormwater ponds prior to discharge to the unnamed tributary, 23 January 2024

4.2 Resource consents

Consent number	Purpose	Granted	Review	Expires
6453-2	To discharge treated stormwater from quarrying and rock crushing operations onto and into land and into an unnamed tributary of the Mangaoraka Stream	19 October 2020	June 2026	1 June 2038
10848-1	To take groundwater incidental to quarrying activities	19 October 2020	June 2026	1 June 2038
7089-1.2	To discharge cleanfill onto and into land for quarry reinstatement purposes	29 April 2022	No further reviews	1 June 2026

Copies of consents are included in Appendix I.

4.3 Compliance monitoring programme

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

4.4 Site inspections

Over the period under review, Ferndene Quarry had a total of 12 scheduled monitoring inspections, four of which constituted combined quarry and cleanfill inspections and eight of which constituted cleanfill inspections. The Council was required to conduct two follow up inspections, one of which related to a non-compliance with Consent 7089-1.2 in the 2021/22 monitoring year and the other related to a non-compliance with Consent 6453-2.0 during the 2022/23 monitoring year. There were two records of advice and information.

19 July 2022 (cleanfill re-inspection)

The re-inspection occurred in response to a non-compliance discovered during routine monitoring in the previous monitoring period where unauthorised materials had been discharged to the cleanfill. The inspecting officer noted that the cleanfill contained only authorised materials and that the consent holder was no longer getting accepting demolition material. The site was deemed compliant at the time of inspection.

3 November 2022 (cleanfill inspection)

Some concrete with exposed rebar and some metal piping was noted in the cleanfill. This was discussed with the consent holder and a request was made to remove the material. There were plans to improve inspections of truck contents and site security. It was suggested that the site was accessed without permission during weekends and this may have been the time during which prohibited material was discharged to the cleanfill. No demolition material was noted at the inspection. The site was deemed compliant with consent conditions.

5 December 2022 (cleanfill inspection)

The inspection occurred during fine weather. No unauthorised materials were noted in the cleanfill. The site was compliant with consent conditions.

5 December 2022 (advice & information)

The Council advised the Company that they were required to purchase and verify a flowmeter. If this was not actioned, enforcement would ensue.

19 January 2023 (full inspection)

The inspection occurred during fine weather. It was noted that Ponds 1 and 2 near the site entrance were full of silt and sediment. The discharge was inspected and appeared very turbid. Water samples were taken for analysis. Washing and screening of aggregate was occurring. It was noted that the cleanfill contained no unauthorised materials and was compliant at the time of this inspection. The results of the sampling were returned from Hill Laboratories and confirmed that the site was non-compliant with consent conditions.

3 February 2023 (re-inspection)

The re-inspection occurred in response to non-compliant sampling results from the January inspection. The first sediment pond was being cleaned out and a visual inspection of the unnamed tributary revealed that the water was clear. An abatement notice was hand delivered to the Company. The site was deemed compliant with consent conditions.

1 March 2023 (cleanfill inspection)

The inspecting officer noted that a small quantity of timber and bitumen were discharged to the site. The Company advised that timber would not be accepted in the future and that the bitumen would be removed from the site and utilised elsewhere. Sludge from STDC Wastewater Treatment Plant had been discharged at the southern end of the cleanfill. This area was well bunded and there was little chance of any liquid discharging offsite. The site was deemed compliant at the time of inspection.

13 April 2023 (cleanfill inspection)

The cleanfill records were examined at the office. There was no visual indication of prohibited items and little material was being discharged to the site at the time of inspection. The site was compliant with consent conditions.

20 April 2023 (quarry inspection)

The site was operational at the time of inspection and a load of sludge was being delivered to the quarry. The inspecting officer noted that the perimeter of the sludge pond appeared to adequately contain the material, however, the bunds required repair nearest to the track. The Company was informed of this. A new drainage channel had been constructed between the upper site and the lower two small sand trap areas on the western perimeter boundary. The water appeared to be collected and directed appropriately. The sediment ponds were discharging at time of inspection. The inspecting officer noted that the ponds nearest to the entrance were full of sediment and required cleaning. Downstream, upstream and discharge point samples were collected. The sampling results were returned from Hill Laboratories and demonstrated that the site was compliant with consent conditions at the time of inspection.

17 October 2023 (full inspection)

At the time of inspection, the upper retention pond near the discharge area was being dredged to improve functionality of the treatment system. No stormwater was noted onsite. A moderate discharge was observed exiting the final pond to the stream. Water samples were collected from a downstream location, the discharge point and an upstream location. While inspecting the main excavation pit, a slick black substance was observed floating in the excavation pond. A sample was obtained and sent to Hill Laboratories for confirmation of identification. The Company stated that it originated from a digger's burst hydraulic pipe and that there was a skimmer system in place to prevent hydrocarbons from circulating through the system. The inspecting officer advised that best practice was to clean spillages immediately. This issue was also discussed with the quarry manager, who agreed to take action. The sampling results demonstrated that the

site was compliant with consent conditions at the time of inspection. The black substance was positively identified as engine oil.

The inspecting officer noted that much of the cleanfill area had been filled. No prohibited material was noted. No water treatment plant sludges had been recently discharged. Previously discharged sludge appeared to be drying out and ready to assimilate into the site. The Company was reminded that they were required to adhere to conditions 4, 5 and 6 of the consent, which specifically addressed the management of sludges and notifying the Council prior to their discharge. The Company reassured the inspecting officer that they monitor the material discharged to the site. The cleanfill was deemed compliant with respect to consent conditions.

6 November 2023 (advice & information)

During a phone conversation with the Company, the inspecting officer relayed the results of the previous sampling. The Company was reminded of the need to maintain the function of the treatment ponds and, with reference to the discovery of hydraulic oil in the groundwater pond, to be more proactive in maintaining best practice. The inspecting officer highlighted the Council's expectations in relation to environmental stewardship and stressed that it was important for the Company to engage in positive interactions with council staff. Enforcement action in relation to the positive identification of engine oil in the main pit was not pursued at this time. The Inspecting Officer believed a warning would be sufficient. The oil discovered in the main excavation pond was removed.

23 January 2024 (full inspection)

The site was active as personnel were present. The actively used sediment retention ponds to the left of the site entrance were inspected. At a previous inspection (17/10/2023), the second last pond before the discharge to the stream was being dredged to remove sediment. A digger was excavating the deposit and a haulage truck was carting it to be discharged to the cleanfill at the southern part of the quarry. The current inspection revealed that while the level of sediment in this pond had reduced, there was still a large accumulation which was reducing the efficiency of its sediment treatment capacity. Water discharging into the pond from a drain had carved a channel into the sediment. The final sediment retention pond was opaque green-brown in colour and overflowing on its northern margin. Inspection of the drain which conveyed the discharge from the final pond to the unnamed tributary of the Mangaoraka Stream revealed that the discharge was cloudy. For this reason, samples were obtained at the three designated locations: 25m downstream of the discharge, the discharge point and just upstream of the discharge point. The tributary at the downstream location appeared turbid and discoloured; the discharge into the stream was noted to be creating a sediment plume, while the tributary water upstream of the discharge appeared clear and uncoloured. The results of the sampling were returned from Hill Laboratories and the downstream limit for suspended solids was found to be just compliant with condition 8 of Consent 6453-2.0 at 10g/m³. The flowmeter situated on the ridge adjacent to the main excavation pit was inspected and was noted to be in working order. The rate of take was observed to fluctuate between 6.3 to 6.5L/s. There was a noticeable accumulation of groundwater present on the pit floor. No hydrocarbons were observed at this location. The independent groundwater monitoring programme which is a requirement of Consent 10848-1.0 (condition 7) was discussed with the Company. It was understood that they would approach their consultant to discuss details of its implementation. The inspecting officers also raised the issue of the deposited sediment observed in the second last pond and advised the Company to carry out further dredging. The ponds in the central portion of the quarry site were inspected. Both contained turbid water and pond 1 was noted to be discharging into pond 2. The quarry site was contoured and bunded, with a ring drain visible around its inner periphery to cater for stormwater diversion.

The cleanfill area was inspected. A large proportion of the discharge (approximately 70%) was observed to be stabilised with vegetation. Newly discharged material on the whole complied with consent requirements for cleanfill discharge. A small amount of rebar was noted in the cleanfill material, a request was made to remove this. No channelling, erosion or slumping was evident on the fill face. The cleanfill area was noted to have been isolated from the tributary running from the south eastern to north western corner of the quarry by a rock riprap wall. This was intact and well vegetated. The cleanfill stormwater pond was inspected and was brown in colour. Contouring of the site to channel stormwater into this pond was evident. The site was deemed compliant with consent conditions at the time of inspection.

19 March 2024 (cleanfill inspection)

Quarry personnel were onsite; two diggers and two excavators were noted to be moving overburden from an extraction area and discharging it to the cleanfill area. It was evident that work had been conducted to level much of the stabilised cleanfill material on both sides of the track. Approximately 80% of the fill material had recently been levelled and had no vegetative cover; the remainder of the material constituted old fill material which was vegetated, or comprised mounds of recently discharged material. The majority of the fill material did not comprise prohibited items. The area en route to the main extraction pit was noted to contain a pile of uncured bitumen. The inspecting officer noted that it was classed as prohibited material and informed the Company that it must not be discharged to the cleanfill as it may release oils into the receiving environment. A request was made to remove it and to prevent further discharge of the material to the site. Some form of textile material was noted in the cleanfill area. The Council contacted the Company to confirm its identification and its origin.

The inspecting officer noted that the second last sediment retention pond close to the office block was yet to be cleaned out. A digger had been parked next to the pond, however it was inactive at the time of inspection. Given the accumulation of sediment in this pond, water samples were obtained at the upstream, discharge and downstream sampling locations. The results were returned from Hill Laboratories and were found to be compliant with consent conditions.

8 May 2024 (cleanfill inspection)

The cleanfill site generally appeared very tidy (Photo 6) and little if any prohibited material was observed on the active fill site. A large portion of the cleanfill was unstabilised (approximately 90%) as the site was in the process of being contoured. The western cleanfill site was adequately bunded. An inspection of the south eastern corner revealed that slurry material had been deposited down a slope. There appeared to be a groundwater and stormwater accumulation near the base of the slurry. The Company advised that the material was hydrovac waste which to his knowledge, contained a mixture of clay and water and no chemicals. The issue of this waste was referred to the Council as the consent conditions only mentions the acceptance of NPDC and STDC water treatment plant slurry. The central portion of the cleanfill was inspected. This too appeared to have been recently contoured and as a result, was only sparsely vegetated. Some ponding of water was evident. The geotextile material noted at the January inspection was still in situ. The query about the acceptability of this material had already been referred to the Council for assessment. Examination of the record book showed that slurry was frequently delivered to the site and originated from multiple sources. Overall compliance of the site would be contingent upon the decisions the Council makes with respect to the hydrovac waste and the geotextile material. There were no issues with dust or odour at the time of inspection.



Photo 6 Ferndene southern cleanfill discharge area was in the process of being contoured, 8 May 2024

24 May 2024 (full inspection)

The quarry was active at the time of inspection. The site was well bunded and had a peripheral ring drain to convey stormwater into two sediment retention ponds. The main excavation pit was being dewatered. The flow meter was inspected and was observed to be recording a value of 10.57L/s. This was compliant with consent conditions. The inspecting officer noted that the two small settling ponds at the top site were very turbid in colour. The ponds appeared to discharge into a ring drain and then to main settling ponds. As per the Council's request, the main settling pond at the entrance of the site had been recently cleaned out, although it still appeared turbid. The contents of the final pond were discharging into the unnamed tributary of the Mangaoraka Stream and created a visible plume. Samples were taken at the downstream location, the discharge point and the upstream location. The sampling results demonstrated that the site was compliant with consent conditions.

4.4.1 Chemical sampling

The Council undertook sampling of both the discharges from the site and the water quality upstream and downstream of the discharge point and mixing zone on seven occasions during the period under review. The analyses included turbidity, pH, EC, TSS and TPHC. In addition, a comparison was made of the effects of the discharge upon the increment in suspended solids and turbidity at the downstream site in relation to the upstream site. The results are presented in Table 14 to Table 18 below. To better reflect consent conditions for MRK025211, samples acquired post 17 October 2023 were collected from the downstream monitoring location shown in Figure 5.

4.5 Results

4.5.1 Water

4.5.1.1 Results of receiving environment monitoring

Table 14 Results of sample analysis for the discharge, IND001061

Parameter	Units	IND001061						
		19/01/2023	20/04/2023	03/07/2023	17/10/2023	23/01/2024	19/03/2024	23/05/2024
Turbidity	NTU	173	-	55 (FNU)	6.7	-	-	-
pH	pH units	8.0	7.8	8.0	8.1	7.9	8.1	8.3
Electrical conductivity	mS/m ³	49.3	40.7	41.8	58.9	47.6	56.4	52.2
Total suspended solids	g/m ³	192 (100)	40	84	8	23	7	20
Total petroleum hydrocarbons	g/m ³	<0.7	<4	<1.4	<0.7	<0.7	<0.7	<0.7

Note: the result in red indicates an exceedance of consented limits. The number in brackets indicates the consent limit.

Table 15 Results of sample analysis for the upstream site, MRK001211

Parameter	Units	MRK001211 (1m u/s)						
		19/01/2023	20/04/2023	03/07/2023	17/10/2023	23/01/2024	19/03/2024	23/05/2024
Turbidity	NTU	2.5	10.3 (FNU)	53 (FNU)	2.8	12.2 (FNU)	2.9 (FNU)	1.14
pH	pH units	7.5	7.7	7.0	7.6	7.7	7.5	7.6
Electrical conductivity	mS/m ³	24.0	21.4	10.0	19.2	25.7	26.7	16.0
Total suspended solids	g/m ³	<3	12	78	<3	10	<3	3.0
Total petroleum hydrocarbons	g/m ³	<0.7	<0.7	<1.4	<0.7	<0.7	<0.7	<0.7

Table 16 Results of sample analysis for the downstream site 200+m d/s (1700288-5665784)

Parameter	Units	MRK025211 (200m d/s)			
		19/01/2023	20/04/2023	03/07/2023	17/10/2023
Turbidity	NTU	58	12.8 (FNU)	49 (FNU)	2.9
pH	pH units	8.2	7.7	7.2	7.8
Electrical conductivity	mS/m ³	42.0	22.4	12.0	23.5
Total suspended solids	g/m ³	73 (13)	12	91	<3
Total petroleum hydrocarbons	g/m ³	<0.7	<0.7	<1.4	<0.7

Note: the result in red indicates an exceedance of consented limits. The number in brackets indicates the consent limit.

Table 17 Results of sample analysis for the downstream site 400+m d/s (1700337-5665925)

Parameter	Units	(400m d/s)			
		19/01/2023	20/04/2023	03/07/2023	17/10/2023
Turbidity	NTU	51	2.0 (FNU)	53 (FNU)	3.0
pH	pH units	8.0	7.4	7.1	7.8
Electrical conductivity	mS/m3	39.9	14.0	12.0	23.9
Total suspended solids	g/m3	75	<3	83	<3
Total petroleum hydrocarbons	g/m3	<0.7	<0.7	<1.4	<0.7

Table 18 Results of sample analysis for the downstream site post 17/10/2023

Parameter	Units	MRK025211 (25m d/s)		
		23/01/2024	19/03/2024	23/05/2024
Turbidity	NTU	3.8	4.3 (FNU)	4.4
pH	pH units	7.5	8.0	7.9
Electrical conductivity	mS/m3	19.0	48.0	25.4
Total suspended solids	g/m3	4.0	6.0	8.0
Total petroleum hydrocarbons	g/m3	<0.7	<0.7	<0.7

4.5.2 Results of abstraction monitoring

The results of the abstraction rate monitoring from the start of data telemetry in October 2023 to the end of the monitoring period are presented in Figure 6.

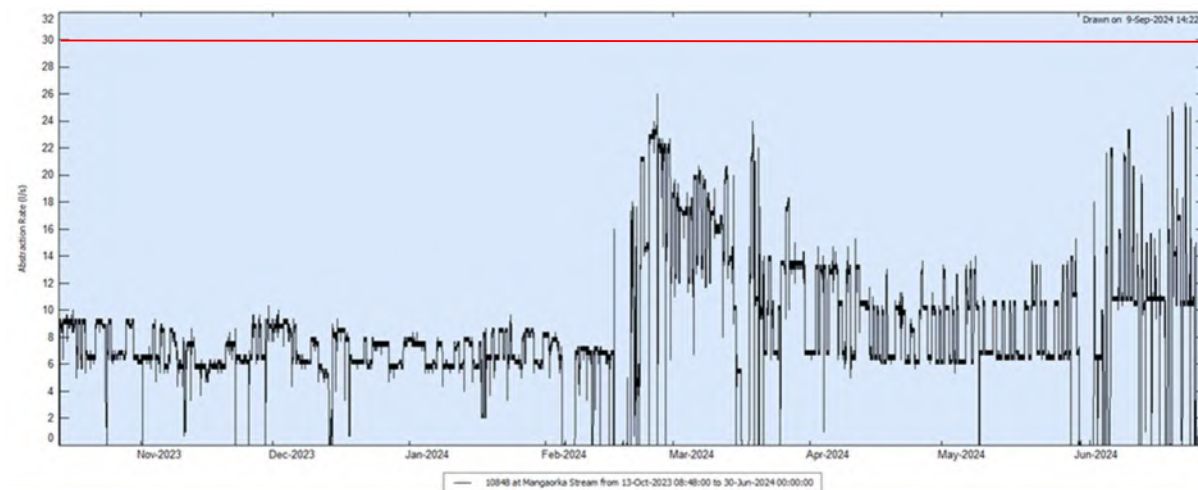


Figure 6 Abstraction rate from October 2023 to June 2024

Note: The red line denotes the 30L/s consented limit

4.6 Incidents, investigations, and interventions

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

For all significant compliance issues, as well as complaints from the public, the Council maintains a database record. The record includes events where the individual/organisation concerned has itself notified the Council. Details of any investigation and corrective action taken are recorded for non-compliant events.

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 individual/organisation is indeed the source of the incident (or that the allegation cannot be proven).

Table 19 sets out details of any incidents recorded, additional investigations, or interventions required by the Council in relation to the Company's activities during the 2022-2024 period. This table presents details of all events that required further investigation or intervention regardless of whether these were found to be compliant or not.

Table 19 Incidents, investigations, and interventions summary table

Date	Details	Compliant (Y/N)	Enforcement Action Taken?	Outcome
5/12/2022	Flowmeter not verified and installed	N	Abatement notice	The flowmeter was installed and the Council received telemetered abstraction data from October 2023
19/01/2023	Discharge of wastewater which was not within consented limits	N	Abatement notice	Visual re-inspection demonstrated that the site was compliant with consent conditions and abatement notice
24/01/2024	Independent groundwater monitoring programme not yet implemented	N	Abatement notice	The Council has directed the Company to complete the implementation of the independent groundwater monitoring programme by 1 December 2024

4.7 Discussion

4.7.1 Discussion of site performance

Site management showed a general trend of improvement during the monitoring period under review, particularly with respect to the contents of cleanfill material. On a few occasions, the inspecting officer noted the presence of small amounts of prohibited items. Requests were made to remove the material and no enforcement action was necessary. Following the January and May 2024 inspections, queries regarding the suitability of discharging geotextile material and hydrovac waste respectively were forwarded by the inspecting officers to the Council. At the time of report writing, the Council deemed that the geotextile material was unsuitable to discharge to a cleanfill given that its products of decomposition could include contaminants such as formaldehyde, formic acid and other acids and aldehydes. The Council did permit hydrovac waste to be discharged to the site under specified controlled conditions.

On one occasion during the monitoring period, sampling returned non-compliant results and an abatement notice was issued. The non-compliant results were believed to have been related to the reduced treatment capacity of the second last sediment pond as it was choked with silt. After requests by the Council to maintain treatment capacity of the ponds, it was noted that the Company had actioned the requests by the 3 February 2023, 17 October 2023, 23 January 2024 and 24 May 2024 inspections. To remain compliant with consent conditions, the Company must ensure routine cleaning of sediment ponds.

Following the installation of the abstraction flowmeter, the Council received telemetered data which demonstrated that the Company was compliant with consented abstraction limits. During the January 2024

inspection, council officers discovered that the Company had not yet implemented a monitoring programme to monitor the effects of the incidental groundwater take upon the surrounding aquifer. The Company received an abatement notice directing them to implement this by 1 December 2024.

A desk assessment of the size of the stormwater catchment showed that the quarry had expanded beyond its consented limit. The submission of an application to vary the consent conditions is likely to be required.

4.7.2 Environmental effects of exercise of consents

The Council monitors for possible effects on stream life by conducting a visual inspection of the discharge from the quarry and streambed both up and downstream of the quarry discharge point. During inspections of the site over the 2022-2024 monitoring period, it was evident that the discharge was creating visible effects in the downstream receiving environment. Sampling was consequently undertaken on seven occasions. An abatement notice was issued on one occasion when sampling results demonstrated an exceedance of consented limits.

4.7.3 Evaluation of performance

A tabular summary of the Company's compliance record for the period under review is set out in Table 20 to Table 25.

Table 20 Summary of compliance with Consent 6453-2 between 1 July 2022 and 30 June 2024

Purpose: To discharge treated stormwater from quarrying and rock crushing operations onto and into land and into an unnamed tributary of the Mangaoraka Stream in the Waiongana Catchment		
Condition requirement	Means of monitoring during period under review	Compliance Achieved?
1. Best practicable option	Site inspections	No
2. Limit on stormwater catchment area	Desk assessment	No
3. No direct discharge of untreated stormwater	Site inspection	Yes
4. Progressive reinstatement of quarry	Site inspections	Yes
5. Discharge standards	Site inspections & chemical sampling	No
6. Discharge shall not cause erosion of the bed or banks of the unnamed tributary of the Mangaoraka Stream	Site inspections and sampling and testing as necessary	Yes
7. After allowing for reasonable mixing, no 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	Site inspections and sampling and testing as necessary	No
8. After allowing for reasonable mixing, no increase in suspended solids concentration in excess of 10gm ³	Site inspections and sampling and testing as necessary	No
9. Provision of site plan, stormwater management plan and contingency plan	Submitted January 2020	N/A
10. Provision of updated quarry plan every 5 years, beginning June 2025	Review of plan submitted to Council and assessment of implementation at inspection	Yes

Purpose: To discharge treated stormwater from quarrying and rock crushing operations onto and into land and into an unnamed tributary of the Mangaoraka Stream in the Waiongana Catchment		
Condition requirement	Means of monitoring during period under review	Compliance Achieved?
11. Written notifications of changes	Assessment by a Council officer at inspection	N/A
12. Review clause	June 2026	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		Improvement required High

Table 21 Summary of environmental performance for Consent 6453-2

Year	Consent numbers	High	Good	Improvement req	Poor
2020-2022	6453-2	x			
2022-2024	6453-2			x	

In relation to Consent 6453-2, the Company received a high rating for their administrative performance and improvement was required for their environmental performance for the monitoring period 1 July 2022 to 30 June 2024. Stormwater ponds were noted to have required cleaning on multiple occasions, hence water samples were collected at seven inspections as the discharge created a visual impact in the receiving tributary. On one sampling occasion, the results demonstrated that the site was non-compliant with consent conditions. A desk assessment revealed that the quarry has expanded beyond its consented stormwater catchment size.

Table 22 Summary of compliance with Consent 10848-1.0 between 1 July 2022 and 30 June 2024

Purpose: To take groundwater incidental to quarrying activities		
Condition requirement	Means of monitoring during period under review	Compliance Achieved?
1. Groundwater take shall not exceed 30L/s	Site inspections – observe water meter. Desk assessment of telemetry data	Yes
2. Installation and maintenance of a water meter and a datalogger	Site inspections	Yes
3. Submission of document certifying the installation of recording equipment	Desk assessment	Yes
4. Notify Council if recording equipment failed	Notify the Council	N/A
5. Recording equipment shall be accessible to Council staff	Site inspections	Yes
6. Flow records shall be in a format suitable for auditing	Desk assessment	Yes
7. Monitoring of the effects of this consent on the surrounding aquifer	Site inspection & desk assessment	No
8. Consent lapses 5 years after its commencement date	N/A	N/A
9. Review clause	June 2026	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		Improvement required High

Table 23 Summary of environmental performance for Consent 10848-1.0

Year	Consent numbers	High	Good	Improvement required	Poor
2020-2022	10848-1.0				x
2022-2024	10848-1.0			x	

In relation to Consent 10848-1.0, the Company demonstrated a high level of administrative performance and improvement was required for their environmental performance during the 1 July 2022 to 30 June 2024 monitoring period. The flow meter for the abstraction telemetry had not been installed by the deadline stipulated in the consent conditions. The Company was issued an abatement notice and installed the flowmeter in September 2023. Since the data has been telemetered to the Council, the Company has demonstrated compliance with the consented abstraction limit. The Company received an abatement notice for failure to implement a monitoring programme which monitors the effects of this consent upon the surrounding aquifer. This is to be actioned by 1 December 2024.

Table 24 Summary of compliance with Consent 7089-1.2 between 1 July 2022 and 30 June 2024

Purpose: To discharge cleanfill onto and into land for quarry reinstatement purposes		
Condition requirement	Means of monitoring during period under review	Compliance Achieved?
1. Exercise of consent to be in accordance with information submitted	Site inspections	Yes
2. Materials permitted for discharge must be inert	Site inspections	Yes
3. Materials not permitted to be disposed of to cleanfill	Site inspections	No Unauthorised materials found
4. Notwithstanding the other conditions of this consent it also authorises the discharge of WTP residual sludge	Inspections of site	Yes
5. Any wastewater treatment plant (WTP) sludge discharged shall be mixed with soil/overburden from the site and spread as thinly as practicable	Inspections of site	Yes
6. At least seven days prior to any discharge of WTP sludge, the consent holder shall notify the Council and supply information	Receipt of notification – no notifications received	N/A
7. No WTP sludge shall be placed closer than 10 m from the top of the bank of any tributary of the Mangaoraka Stream, and no discharge shall result in any contaminant entering surface water.	Inspections of site	Yes
8. Silt retention structures shall be installed and maintained	Inspections of site	Yes
9. Stormwater diversion drains to minimise stormwater movement shall be installed and maintained	Inspection of site	N/A
10. A cleanfill management plan is to be submitted and approved by Council	Desk assessment	No
11. Adopt best practicable option as defined in section 2 of the Resource Management Act 1991	Inspection of site	No Unauthorised materials found
12. The discharge site covered by this consent shall be stabilised and revegetated, upon completion of the works	Inspection of site	N/A

Purpose: To discharge cleanfill onto and into land for quarry reinstatement purposes		
Condition requirement	Means of monitoring during period under review	Compliance Achieved?
13. Review	No further reviews	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

Table 25 Environmental performance summary for Consent 7089-1.2

Year	Consent numbers	High	Good	Improvement req	Poor
2020-2022	7089-1.2				x
2022-2024	7089-1.2			x	

For the monitoring period between 1 July 2022 and 30 June 2024, improvement was required for both the Company's administrative and environmental performance in relation to Consent 7089-2. The quality of the material discharged showed marked improvement from the previous biennial report. In the future, the Company must contact the Council prior to discharging material not authorised by the cleanfill consent e.g., geotextile material and hydrovac waste. At the time of report writing, the Company was yet to submit a cleanfill management plan.

4.7.4 Recommendations from the 2020-2022 Biennial Report

In the 2020-2024 Biennial Report, it was recommended:

1. THAT monitoring of Ferndene Quarries Ltd's Upland Road site in the 2022-2024 period is increased to a total of six inspections per year, as unauthorised material is continually found in the cleanfill site. Discharge samples are to be collected if warranted.
2. THAT the Company is required to fulfil all applicable groundwater take consent conditions (conditions 1 to 7), including but not limited to, installing a verified and telemetered flow meter.

Recommendation 1 was implemented. With respect to recommendation 2, the Company fulfilled the requirements of conditions 1 to 6. An abatement notice was issued requiring them to comply with condition 7 of Consent 10848-1.0 which requires monitoring to be undertaken to determine any effects upon the surrounding aquifer.

4.7.5 Alterations to monitoring programmes for 2024-2026

In designing and implementing the monitoring programmes for air/water discharges in the region, the Council has taken into account:

- the extent of information already made available through monitoring or other means to date;
- its relevance under the RMA;
- the Council's obligations to monitor consented activities and their effects under the RMA;
- the record of administrative and environmental performances of the consent holder; and
- reporting to the regional community.

The Council also takes into account the scope of assessments required at the time of renewal of permits, and the need to maintain a sound understanding of industrial processes within Taranaki exercising resource consents.

Planned changes for 2024-2026 monitoring programme include reducing the cleanfill inspection monitoring frequency to four times per annum. This will include cleanfill inspections which occur in tandem with quarry inspections.

It should be noted that the proposed programme represents a reasonable and risk-based level of monitoring for the site(s) in question. The Council reserves the right to subsequently adjust the programme from that initially prepared, should the need arise if potential or actual non-compliance is determined at any time during 2024-2026.

4.7.6 Recommendations for 2024-2026

1. THAT monitoring of Ferndene Quarries Ltd's Upland Road site in the 2024-2026 period continues at a reduced rate of four inspections per year. This will include two full site inspections and two additional cleanfill inspections. Discharge samples are to be collected if warranted.
2. THAT the Company exercises caution and due diligence around acceptance of cleanfill material.
3. THAT the Company continues to maintain treatment capacity of sediment ponds to remain compliant with consent conditions.
4. THAT the variation in consent conditions for the consented size of the quarry stormwater catchment is applied for.

5. GR & LJ Jones - Waitara

10th Compliance Monitoring Biennial Report 2022-2024

5.1 Introduction

The GR & LJ Jones quarrying operation is located on the true right of the Mangaoraka Stream at Mahoetahi Road, Brixton, Waitara (Figure 7 and Photo 7). Quarrying operations began in 2004 to help improve the rocky subsoil of the dairy farm. In 2009 the operator was also granted a consent to discharge cleanfill to the site. Since commencing their quarrying operation, the Company has established a processing area which is separate from the extraction area. Groundwater from the extraction pit and stormwater from the quarry catchment is channelled into a network of drains and sediment retention ponds prior to being discharged to the Mangaoraka Stream. Washwater is treated in separate settlement ponds within the ring drain. The *Regional Fresh Water Plan for Taranaki (TRC, 2021)* identifies the Waiongana Stream and its tributaries (which includes the Mangaoraka Stream) as having high, natural ecological and amenity value. Specifically, it is identified as being highly valued for angling, and highly rated for recreation including whitebaiting. Thus it is particularly important to have careful management of the quarry stormwater system.



Figure 7 Map showing the Jones Brixton site

Note: The current discharge point is located to the west of the site



Photo 7 Jones Brixton Quarry, 30 January 2024

5.2 Resource consents

Consent number	Purpose	Granted	Review	Expires
6274-2	To discharge treated stormwater and treated washwater from quarrying and rock crushing operations onto and into land and into an unnamed tributary of the Mangaoraka Stream	11 March 2021	June 2026	1 June 2038
7439-1	To discharge cleanfill onto and into land in the vicinity of the Mangaoraka Stream	27 January 2009	No further reviews	1 June 2026

Copies of consents are included in Appendix I.

5.3 Compliance monitoring programme

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

5.4 Site inspections

Four scheduled compliance monitoring inspections were undertaken during the 2022-2024 monitoring year.

13 February & 7 June 2023

During the February and June 2023 inspections, the inspecting officer noted that the site appeared to be well bunded, with stormwater directly to settlement ponds prior to discharge the Mangaoraka Stream. At the June inspection, it was noted that the discharge created a slightly turbid plume, however, this dissipated rapidly. On both occasions, no sampling was necessary. The cleanfill did not contain unauthorised material.

30 January 2024

The Council officers were met by the site supervisor, other personnel were also onsite. The wash plant was operating at the time of inspection. The sediment ponds adjacent to the wash plant appeared turbid. It was evident that they had recently been cleaned out, but required additional maintenance. The northern extent of the site was investigated and the drain which discharged to the Mangaoraka Stream was located. The discharge was swift and moderate in volume and created a visible sediment plume in the stream. This dissipated within ten metres. For this reason, sampling was not conducted. The river itself appeared slightly turbid and was brown-green in colour. No hydrocarbon sheen or scum was noted.

An accumulation of groundwater was evident in the main excavation pit to the north-east of the site (Photo 8). A pump was being used to abstract water; this was subsequently piped to the wash plant. The previous biennial report stated that a water take consent application should be submitted to the Consents Department as the rate of take was deemed to be higher than the allowable unconsented amount of 1.5L/s. This had not yet been actioned. A desk assessment of recent aerial imagery revealed that the catchment area which contributes stormwater appeared to have expanded beyond the consented limit of 3ha. Examination of the consented cleanfill discharge area for Consent 7439-1 and ground truthing during the inspection showed that the cleanfill discharge area appeared to have likewise expanded beyond the consented limit. Both of the apparent expansions constituted non-compliances with respect to consent conditions. A large amount of rebar was noted in a concrete pile at the centre of the site. The inspecting officers advised that the rebar needed to be removed prior to discharging concrete to the cleanfill. Overall the site was considered non-compliant with respect to the consent conditions.

May 2024

At the May 2024 inspection, the inspecting officers noted that a list of acceptable cleanfill material was displayed at the office. The cleanfill area was well bunded with stormwater directed to the open quarry excavation pits which flanked it. The cleanfill mainly constituted dirt or overburden. The inspecting officers noted that slurry had been discharged to a bunded area in the near vicinity of the cleanfill. The re-instated area was tidy and had been revegetated. There was no evidence of any prohibited cleanfill material.

The wash plant was not operating at the time of inspection. The quarry site was well bunded and washwater and stormwater were observed to be directed firstly to a ring drain surrounding the upper wash plant site and then to three smaller settling ponds next to the wash plant. A large water pump was noted to be pumping water from the main excavation pit and into the ring drain surrounding the wash plant. The ring drain was discharging into four turbid sediment retention ponds towards the back of the wash plant site. The drain leading to the discharge point contained clear water which was rapidly discharging to the Mangaoraka stream. No sampling was necessary and the site was deemed compliant with consent conditions.



Photo 8 Main excavation pit with accumulation of groundwater at its centre 28 May 2024

5.4.1 Chemical sampling

During the period under review, the Council was not required to undertake sampling of both the discharges from the site and the water quality upstream and downstream of the discharge point and mixing zone.

5.5 Incidents, investigations, and interventions

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

For all significant compliance issues, as well as complaints from the public, the Council maintains a database record. The record includes events where the individual/organisation concerned has itself notified the Council. Details of any investigation and corrective action taken are recorded for non-compliant events.

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 individual/organisation is indeed the source of the incident (or that the allegation cannot be proven).

Table 26 sets out details of any incidents recorded, additional investigations, or interventions required by the Council in relation to the Company's activities during the 2022-2024 period. This table presents details of all events that required further investigation or intervention regardless of whether these were found to be compliant or not.

Table 26 Incidents, investigations, and interventions summary table

Date	Details	Compliant (Y/N)	Enforcement Action Taken?	Outcome
25/10/2023	Email from member of the public to enquire about the mixing zone for the Brixton quarry discharge as the Mangaoraka Stream appeared turbid downstream of the quarry	N/A	No	Due to the timing of the complaint, further communications and staff resourcing the Council was not able to investigate this in a timely manner and no non-compliance was found
30/01/2024	Non-compliances relating to discharge of cleanfill material beyond the consented boundary and expansion of the contributing stormwater catchment area beyond the consented limit.	N	No	A meeting was held onsite with the Company to discuss the non-compliances and determine a way forward. This was followed by an in-depth email from the Council to the Company. This detailed the findings of the investigations and directed the Company to either reduce the quarry footprint in relation to the Stormwater consent or change the stormwater and cleanfill consents to account for the increased respective areas.
30/01/2024	Groundwater consent possibly required for abstraction of groundwater incidental to quarry operations. Forwarded to Compliance Department	N/A	No	A meeting was held onsite with the Company to discuss the possible requirement for a groundwater take consent. The Company was advised to contact Council's Consents Department to determine if a consent was required.

5.6 Discussion

5.6.1 Discussion of site performance

During the monitoring inspections, washwater and stormwater appeared to be adequately treated prior to discharge into the Mangaoraka Stream. Any visual effects created by the discharge dispersed within the mixing zone, therefore no sampling was required. There was one instance where a member of the public contacted the Council to report that the Mangaoraka Stream appeared to be affected by the quarry discharge. Due to staffing constraints, the Council was not able to investigate this incident in a timely manner. No prohibited cleanfill material was noted. A desk assessment and ground truthing of the cleanfill site demonstrated that material was being discharged beyond the permitted cleanfill boundary. A measurement of the quarry site revealed that the contributing stormwater catchment had expanded beyond its consented extent. Additionally, the previous biennial report noted that a water take consent may be required as the quarry was likely abstracting more than the permitted unconsented rate. No application had been submitted by the Company during the monitoring period under review. Council staff met with the Company onsite to discuss the non-compliance issues. The Council is engaged in on-going dialogue with the Company to ensure compliance with consent conditions.

A desk assessment revealed that the Company last submitted a Stormwater and Washwater Management Plans in 2021. It is advisable that these are revised to reflect current practice and then re-submitted to the Council for certification.

5.6.2 Environmental effects of exercise of consents

The quarry washwater and stormwater discharge did not appear to be adversely affecting the environment at the time of the inspections, therefore no sampling was undertaken. The cleanfill material was not noted to contain prohibited material which could generate leachate.

The Company may be required to apply for a resource consent to abstract groundwater incidental to quarrying activities to ensure that this activity is monitored under the RMA.

5.6.3 Evaluation of performance

A tabular summary of the consent holders' compliance record for the period under review is set out in Table 27 to Table 30.

Table 27 Summary of compliance with Consent 6274-2 between 1 July 2022 and 30 June 2024

Purpose: To discharge treated stormwater and treated washwater from quarrying and rock crushing operations onto and into land and into an unnamed tributary of the Mangaoraka Stream in the Waiongana Catchment		
Condition requirement	Means of monitoring during period under review	Compliance Achieved?
1. Adopt best practicable option to prevent or minimise adverse effects	Site inspections	Yes
2. The stormwater discharged shall be from a catchment area not exceeding 3ha	Desk assessment	No
3. Unless alternative sediment control measures that achieve an equivalent standard, all run off from any area of exposed soil shall pass through sediment retention ponds as described in the consent conditions	Site inspections	Yes
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	Site inspections	Yes
5. The area of exposed, unvegetated earth within the quarry's stormwater catchment must be kept to a minimum at all times	Site inspections	Yes
6. Constituents of the discharge shall meet the standards shown in the consent conditions	Site inspection	Not assessed. Sampling was not considered to be necessary based upon visual inspection of the discharge and the receiving environment.
7. After allowing for reasonable mixing, 25m downstream of the discharge point, the discharge shall not give rise to any of the following effects in the receiving waters of the unnamed tributary of the Mangaoraka Stream	Site inspections	Yes

Purpose: To discharge treated stormwater and treated washwater from quarrying and rock crushing operations onto and into land and into an unnamed tributary of the Mangaoraka Stream in the Waiongana Catchment		
Condition requirement	Means of monitoring during period under review	Compliance Achieved?
8. After allowing for reasonable mixing, 50m downstream of the confluence with the unnamed tributary, the discharge shall not give rise to an increase in turbidity of greater than 50% FNU in the Mangaoraka Stream.	Site inspections	Not assessed, sampling not required at the time of inspection.
9. The Council shall be notified prior to making any changes to the processes or operations undertaken that could alter the nature of the discharge	Provision of information	Not assessed
10. Review provision	June 2026	N/A
Overall assessment of consent compliance and environmental performance in respect of this consent		Good
Overall assessment of administrative performance in respect of this consent		High

Table 28 Summary of environmental performance for Consent 6274-2.0

Year	Consent numbers	High	Good	Improvement req	Poor
2020-2022	6274-2.0			x	
2022-2024	6274-2.0		x		

In relation to Consent 6274-2.0, the consent holder received a good rating for their environmental performance and high rating for administrative performance for the 1 July 2022 to 30 June 2024 monitoring period. There was one instance where a member of the public contacted the Council to report that the Mangaoraka Stream appeared to be adversely affected by the quarry discharge. The Company is advised to either reduce the footprint of the contributing stormwater catchment to be compliant with their consent conditions, or submit an application to vary the conditions of their consent or enforcement action may be considered for this non-compliance

Table 29 Summary of compliance with Consent 7439-1 over the 2022-2024 monitoring period

Purpose: To discharge cleanfill onto and into land in the vicinity of the Mangaoraka Stream		
Condition requirement	Means of monitoring during period under review	Compliance Achieved?
1. Disposal only to occur in pit area specified in consent	Inspections of cleanfill site & desk assessment	No
2. Materials permitted to be disposed of	Inspections of cleanfill site	Yes
3. Materials not permitted to be disposed of	Inspections of cleanfill site	Yes
4. Written approval required if unsure material is acceptable or not	Provision of information	Yes
5. Adopt best practicable option to prevent or minimise adverse effects	Inspections of cleanfill site	Yes
6. Stabilisation and revegetation of site on completion of cleanfill operation	N/A – cleanfilling still occurring	N/A
7. Consent lapse	N/A	N/A
8. Review of consent	No further review options	N/A
Overall assessment of consent compliance and environmental performance in respect of this consent		GoodHigh
Overall assessment of administrative performance in respect of this consent		

Table 30 Summary of environmental performance for Consent 7439-1

Year	Consent numbers	High	Good	Improvement req	Poor
2018-2020	7439-1		x		
2020-2022	7439-1	x			
2022-2024	7439-1	x			

In relation to Consent 7439-1, the Company received a good rating for their environmental performance and a high rating for their administrative performance for the 2022-2024 monitoring period. The Council discovered that cleanfill material was being discharged beyond the consented extent. This issue was raised with the Compliance Department who met onsite with the Company to discuss the necessary course of action. The Company was advised to submit an application to vary the conditions of their consent to accommodate the current cleanfill area or enforcement action may be considered for this non-compliance.

5.6.4 Recommendations from the 2020-2022 Annual Report

In the 2020-2022 Biennial Report, it was recommended:

1. THAT monitoring of GR & LJ Jones' Mahoetahi Road site in the 2022-2024 period continues at the same level as in 2020-2022 with two inspections per year, one to occur during summer and one during wet weather. Discharge samples are to be collected if warranted.
2. THAT the Company is advised to provide an updated Stormwater and Washwater management plan to reflect current practice.
3. THAT The Company shall apply for an application to change the conditions of the consent to discharge treated stormwater and treated washwater to reflect the current discharge point and area of catchment.
4. THAT the Company shall apply for a new additional consent for groundwater

Recommendation 1 and 2 were implemented. The Company is yet to apply for a groundwater consent and to vary their stormwater and washwater consent conditions to reflect the current stormwater catchment.

5.6.5 Alterations to monitoring programmes for 2024-2026

In designing and implementing the monitoring programmes for air/water discharges in the region, the Council has taken into account:

- the extent of information already made available through monitoring or other means to date;
- its relevance under the RMA;
- the Council's obligations to monitor consented activities and their effects under the RMA;
- the record of administrative and environmental performances of the consent holder; and
- reporting to the regional community.

The Council also takes into account the scope of assessments required at the time of renewal of permits, and the need to maintain a sound understanding of industrial processes within Taranaki exercising resource consents.

There are no planned changes for 2024-2026 monitoring programme.

It should be noted that the proposed programme represents a reasonable and risk-based level of monitoring for the site(s) in question. The Council reserves the right to subsequently adjust the programme from that initially prepared, should the need arise if potential or actual non-compliance is determined at any time during 2024-2026.

5.6.6 Exercise of optional review of consent

Resource Consent 6274-2.0 provides for an optional review of the consent in June 2026. Condition 10 allows the Council to review the consent, 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.

Based on the results of monitoring in the year under review, and in previous years as set out in earlier annual compliance monitoring reports, the Company is advised to either reduce their current stormwater catchment to become compliant with consent conditions, or submit an application to the Council to vary the conditions of the consent to account for their stormwater catchment size.

5.6.7 Recommendations for 2024-2026

1. THAT monitoring of GR & LJ Jones's Mahoetahi Road site in the 2024-2026 period continues at the same level as in 2022-2024 with two inspections per year, one to occur during summer and one during wet weather. Discharge samples are to be collected if warranted.
2. THAT the Company provides an updated Stormwater and Washwater Management Plan to reflect current practice.
3. THAT the Company either reduces the stormwater catchment or submits an application to the Council to vary the conditions of Consent 6274-2 to discharge treated stormwater and treated washwater to reflect the current expanded catchment area and new discharge point.
4. THAT the Company approaches the Council to discuss a groundwater take consent and submits an application if necessary.
5. THAT the Company submits an application to vary cleanfill Consent 7439-1 to reflect current and future discharge areas.

6. Gibson Family Trust – Puniho Road 6th Compliance Monitoring Biennial Report 2022-2024

6.1 Introduction

Gibson Family Trust (the consent holder) operates a quarry on Puniho Road on the true right bank of an unnamed tributary of the Matanehunehu Stream, in the Matanehunehu Catchment (Figure 8 & Photo 9). The quarry is used to provide aggregate to the property for on farm development, and surplus aggregate supplies the local market. The primary stormwater control measures are earth bunding around the perimeter of the site and large soakage trenches inside the perimeter bunds, which hold water until it soaks into the ground. There are three stormwater ponds which treat stormwater prior to discharge to the unnamed tributary. The quarry floor is covered in a thick layer of coarse aggregate metal, and slotted drainage pipes have been placed within the quarry floor and around the rear perimeter to redirect surface runoff to a soakhole. A single drainage pipe directs flow to the unnamed tributary of the Matanehunehu Stream. The quarry does not currently wash aggregate, but may do so in the future.



Figure 8 Gibson Family Trust Puniho Road quarry site



Photo 9 Gibson Quarry, 1 February 2024

6.2 Resource consents

Consent number	Purpose	Granted	Review	Expires
9547-2.0	To discharge stormwater from a quarry site into an unnamed tributary of the Matanehunehu Stream	10 July 2020	1 June 2025	1 June 2037

Copies of the consent are included in Appendix I.

6.3 Compliance monitoring programme

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

6.4 Site inspections

Four inspections were conducted at the Gibson Quarry during the 2022-2024 monitoring period.

17 February 2023 & 6 June 2023

During the February and June 2023 inspections, there was no activity onsite. The site was contoured to direct stormwater to the settlement ponds. In June 2023, the inspecting officer noted that the paddock to the north of the site was contoured and freshly seeded with grass. It was not clear if this area was intended

for stock grazing in the future. The discharge was clear and on both occasions, there were no observable effects downstream. The site was compliant with consent conditions.

1 February 2024

In February 2024, there were two quarry personnel onsite. The quarry was sufficiently bunded to isolate the active area from the stream. The floor of the quarry was contoured to direct stormwater to a series of three settlement ponds in the south eastern area of the site. The primary settlement pond contained greenish-brown, turbid water. A small pump was observed adjacent to this pond and is used occasionally to withdraw water to control dust onsite. The discharge point was located and inspected. The unnamed tributary was densely overgrown with vegetation which made a visual assessment of effects difficult. The discharge manifested as a steady trickle and appeared clear and uncoloured, therefore no adverse effects were anticipated and no sampling was conducted. A small section of the bund to the north of the site required maintenance, the quarry manager stated that this would be addressed promptly.

13 May 2024

At the May 2024 inspection, it was noted that the site appeared to have been disused for a time and was in reasonable condition. Access to the sediment ponds proved difficult and a request was made to the Company to ensure clear and safe access. The ponds were discharging to the unnamed tributary. The discharge appeared clear and uncoloured therefore no samples were taken. Visual assessment of the mixing zone was not possible as the stream was overgrown and required maintenance. The quarry was bunded and contoured to direct stormwater to the settlement ponds. The Company informed the Council that a new area had been excavated beyond the river to the west of the current site to provide the landowner with material for a feed pad. The Company stated that a consent application had been submitted to the Council for this new expansion.

6.4.1 Chemical sampling

During the year under review, the Council was not required to undertake sampling of the discharges from the site and the water quality upstream and downstream of the discharge point and mixing zone.

6.5 Incidents, investigations, and interventions

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

For all significant compliance issues, as well as complaints from the public, the Council maintains a database record. The record includes events where the individual/organisation concerned has itself notified the Council. Details of any investigation and corrective action taken are recorded for non-compliant events.

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 individual/organisation is indeed the source of the incident (or that the allegation cannot be proven).

In the 2022-2024 period, the Council was not required to undertake significant additional investigations and interventions, or record incidents, in association with the Company's conditions in resource consents or provisions in Regional Plans.

6.6 Discussion

6.6.1 Discussion of site performance

The Council did not identify any significant issues at Gibson Family Trust Quarry during the period under review. Inspections revealed that the site was adequately contained within bunds and stormwater was appropriately directed to settlement ponds for treatment prior to discharge. Visual inspection of the discharge demonstrated that the receiving environment was not subject to adverse effects from quarrying activities, therefore no sampling was required. The site required some maintenance to ensure safe access to settlement ponds and the riverside. The Company has advised that an application has been submitted to the Council to account for expansion of the quarry footprint. This could not be confirmed by the Consents Department.

6.6.2 Environmental effects of exercise of consents

The Council monitors for possible effects on stream life by conducting a visual inspection of the discharge from the quarry and streambed both up and downstream of the quarry discharge point. Inspections of the site over the 2022-2024 monitoring period did not detect any adverse effects occurring in the receiving waters.

6.6.3 Evaluation of performance

A tabular summary of the consent holder's compliance record for the period under review is set out in Table 31.

Table 31 Summary of compliance with Consent 9547-2.0 over the 2022-2024 monitoring period

Purpose: To discharge stormwater from a quarry site into an unnamed tributary of the Matanehunehu Stream		
Condition requirement	Means of monitoring during period under review	Compliance Achieved?
1. Maximum stormwater catchment area	Site inspections & desk assessment	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. Discharge from the site that reaches water shall have a suspended solids concentration no greater than 100 gm ³	Inspections of the river	Yes
6. Beyond the mixing zone, discharge shall not affect the physical characteristics of receiving waters	Inspections of the river	Yes
7. Notification prior to any changes in processes or operations at the site	Receipt of notification	N/A
8. Review clause	next review June 2025	N/A
Overall assessment of consent compliance and environmental performance in respect of this consent		High
Overall assessment of administrative performance in respect of this consent		High

Table 32 Environmental performance summary for Consent 9547-2.0

Year	Consent numbers	High	Good	Improvement req	Poor
2018-2020	9547-2.0	x			
2020-2022	9547-2.0	x			
2022-2024	9547-2.0	x			

The Company received a high rating for both their environmental and administrative performance during the 1 July 2022 to 30 June 2024 monitoring period as all quarry activities were compliant with the specified consent conditions.

6.6.4 Recommendations from the 2020-2022 Biennial Report

In the 2020-2022 Biennial Report, it was recommended:

1. THAT that monitoring of Gibson Family Trust's Puniho Road site in the 2022-2024 period continues at the same level as in 2020-2022 with two inspections per year, one to occur during summer and one during wet weather. Discharge samples are to be collected if warranted

Recommendation 1 was implemented.

6.6.5 Alterations to monitoring programmes for 2024-2026

In designing and implementing the monitoring programmes for air/water discharges in the region, the Council has taken into account:

- the extent of information already made available through monitoring or other means to date;
- its relevance under the RMA;
- the Council's obligations to monitor consented activities and their effects under the RMA;
- the record of administrative and environmental performances of the consent holder; and
- reporting to the regional community.

The Council also takes into account the scope of assessments required at the time of renewal of permits, and the need to maintain a sound understanding of industrial processes within Taranaki exercising resource consents.

There are no planned changes for 2024-2026 monitoring programme.

It should be noted that the proposed programme represents a reasonable and risk-based level of monitoring for the site(s) in question. The Council reserves the right to subsequently adjust the programme from that initially prepared, should the need arise if potential or actual non-compliance is determined at any time during 2024-2026.

6.6.6 Exercise of optional review of consent

Resource Consent 9547-2.0 provides for an optional review of the consent in June 2025. Condition 8 allows the Council to review the consent, if there are grounds that the conditions are not 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 were not appropriate to deal with at the time.

Based on the results of monitoring in the year under review, and in previous years as set out in earlier annual compliance monitoring reports, it is considered that there are no grounds that require the Council to exercise the review option.

6.6.7 Recommendations for 2024-2026

1. THAT monitoring of Gibson Family Trust's Puniho Road site in the 2024-2026 period continues at the same level as in 2022-2024 with two inspections per year, one to occur during summer and one during wet weather. Discharge samples are to be collected if warranted.

7. Goodin AG Ltd- Kahui Road 9th Compliance Monitoring Biennial Report 2022-2024

7.1 Introduction

The Goodin AG Ltd site at Kahui Road is located on the true right bank of an unnamed tributary of the Pungaereere Stream, in the Pungaereere Catchment, located in Rahotu (Figure 9 & Photo 10). The quarry was operated as Surf Highway Excavations from 2005, and was transferred to Goodin AG Ltd (the Company) in December 2014. The quarry excavates between 4,000-6,000m³/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 300m north of the site, the other is over 70m south of the site on the other side of Kahui Road. The active quarrying area is approximately 1.5ha at any one time. The current excavation area extends northwards (Photo 11). There are two sediment ponds with a total capacity of 2,400m². The smaller one is in the stockpile area and operates as a soak hole, and the larger one in the north of the site has a discharge pipe, which flows over land to a wet area at the head of the unnamed tributary to the south.



Figure 9 Goodin AG Ltd quarry site

Note: Wetland which discharges into the unnamed tributary is shown in light blue



Photo 10 GoodinAg Quarry laydown area, 22 January 2024



Photo 11 Current excavation area 22 January 2024

7.2 Resource consents

Consent number	Purpose	Granted	Review	Expires
6585-2.0	To discharge stormwater from a quarry site onto and into land in the vicinity of an unnamed tributary of the Pungaereere Stream	14 February 2020	1 June 2025	1 June 2037

Copies of the consent are included in Appendix I.

7.3 Compliance monitoring programme

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

7.4 Site inspections

The site was inspected four times during the period under review.

17 February 2023 & 6 June 2023

In February and June 2023, there was no activity onsite. The final sediment pond was not discharging and the site was well bunded. No adverse effects were observed in the receiving environment.

22 January 2024 & 13 May 2024

In January and May 2024, the site was noted to be very tidy. The main excavation area was contoured and bunded to direct stormwater to the two sediment retention ponds on the site. The discharge pipes for the two sediment retention ponds were located near the head of the wetland, neither of the pipes was discharging at the time of inspection. A hydrocarbon sheen was observed in puddles at the start of the wetland. This was deemed to be naturally occurring rather than originating from the quarry. No adverse effects of the quarry discharge were evident, therefore no samples were obtained. The site was deemed compliant with consent conditions at all inspections.

7.4.1 Chemical sampling

During the monitoring period under review, the Council was not required to undertake sampling of both the discharges from the site or the receiving environment.

7.5 Incidents, investigations, and interventions

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

For all significant compliance issues, as well as complaints from the public, the Council maintains a database record. The record includes events where the individual/organisation concerned has itself notified the Council. Details of any investigation and corrective action taken are recorded for non-compliant events.

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 individual/organisation is indeed the source of the incident (or that the allegation cannot be proven).

In the 2022-2024 period, the Council was not required to undertake significant additional investigations and interventions, or record incidents, in association with the Company's conditions in resource consents or provisions in Regional Plans.

7.6 Discussion

7.6.1 Discussion of site performance

During the monitoring period under review, the site appeared well managed. Stormwater was adequately treated prior to discharge to the wetland. No adverse effects were noted in the receiving environment as a result of the exercise of this consent.

7.6.2 Environmental effects of exercise of consents

The Council monitors for possible effects on stream life by conducting a visual inspection of the discharge from the quarry and streambed both up and downstream of the quarry discharge point. Inspections of the site over the 2022-2024 monitoring period did not detect any adverse effects in the receiving waters.

7.6.3 Evaluation of performance

A tabular summary of the Company's compliance record for the period under review is set out in Table 33.

Table 33 Summary of compliance with Consent 6585-2 over the 2022-2024 monitoring period

Purpose: To discharge stormwater and sediment from earthworks associated with metal excavation onto and into land in the vicinity of an unnamed tributary of the Pungaereere Stream		
Condition requirement	Means of monitoring during period under review	Compliance Achieved?
1. Active site shall not exceed 1.5ha	Site inspections, GIS measurements	Yes
2. Condition on size of sediment retention ponds	Site inspections	Yes
3. Best practicable option to prevent or minimise adverse effects	Site inspections	Yes
4. Contouring and bunding on unvegetated areas	Site inspections	Yes
5. Stormwater Management Plan	Plan received on 5 October 2022	Yes
6. Notify Council of any changes to processes or operations onsite	Receipt of notification, site inspections	N/A
7. Review clause	Review option June 2025	N/A
Overall assessment of consent compliance and environmental performance in respect of this consent		High
Overall assessment of administrative performance in respect of this consent		High

Table 34 Environmental performance summary for Consent 6585-2

Year	Consent numbers	High	Good	Improvement req	Poor
2018-2020	6585-2	x			
2020-2022	6585-2	x			
2022-2024	6585-2	x			

As all quarry activities were compliant with the specified consent conditions, the Company received a high rating for their environmental and administrative performance for the monitoring period from 1 July 2022 to 30 June 2024.

7.6.4 Recommendations from the 2020-2022 Biennial Report

In the 2020-2022 Biennial Report, it was recommended:

1. THAT monitoring of Goodin AG Ltd's Kahui Road quarry site in the 2022-2024 period continues at the same level as in 2020-2022 with two inspections per year, one to occur during summer and one during wet weather. Discharge samples are to be collected if warranted.

This recommendation was implemented.

7.6.5 Alterations to monitoring programmes for 2024-2026

In designing and implementing the monitoring programmes for air/water discharges in the region, the Council has taken into account:

- the extent of information already made available through monitoring or other means to date;
- its relevance under the RMA;
- the Council's obligations to monitor consented activities and their effects under the RMA;
- the record of administrative and environmental performances of the consent holder; and
- reporting to the regional community.

The Council also takes into account the scope of assessments required at the time of renewal of permits, and the need to maintain a sound understanding of industrial processes within Taranaki exercising resource consents.

There are no planned changes for 2024-2026 monitoring programme.

It should be noted that the proposed programme represents a reasonable and risk-based level of monitoring for the site(s) in question. The Council reserves the right to subsequently adjust the programme from that initially prepared, should the need arise if potential or actual non-compliance is determined at any time during 2024-2026.

7.6.6 Exercise of optional review of consent

Resource Consent 6585-2 provides for an optional review of the consent in June 2025. Condition 7 allows the Council to review the consent, if there are grounds that the conditions are not 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 were not appropriate to deal with at the time.

Based on the results of monitoring in the year under review, and in previous years as set out in earlier annual compliance monitoring reports, it is considered that there are no grounds that require a review to be pursued or grounds to exercise the review option.

7.6.7 Recommendations for 2024-2026

1. THAT monitoring of Goodin AG Ltd's Kahui Road quarry site in the 2024-2026 period continues at the same level as in 2020-2022 with two inspections per year, one to occur during summer and one during wet weather. Discharge samples are to be collected if warranted.

8. Jones Quarry Ltd – Hydro Road 25th Compliance Monitoring Biennial Report 2022-2024

8.1 Introduction

Jones Quarry Ltd's Hydro Road quarry is located on the true left bank of the Waiwhakaiho River in the Waiwhakaiho Catchment, approximately 3.5km south east of New Plymouth on Hydro Road (Figure 10). The consents to operate the quarry and cleanfill for this site were transferred to Jones Quarry Ltd (the Company) on 10 February 2015, prior to this the quarry has been operated as Graham Harris (2000) Ltd and New Plymouth Quarries Ltd. Active quarrying and exposed areas (Photo 12) are contoured and bunded to direct stormwater to treatment ponds prior to discharge. In July 2019, a new two-pond system was installed in the north-west of the quarry. The discharge point was moved downstream slightly to accommodate for excavations on the western side of the quarry. The discharge point has a shut off valve installed to enable further retention and treatment of water prior to discharge. A new excavation face has been opened up along the driveway to the main quarry site (Photo 13). The overburden material is stored in the laydown area.

Reinstatement of excavated areas at the quarry is carried out using cleanfill. The cleanfill site has migrated from its consented position and is currently situated near the operational area as opposed to adjacent to the true left bank of the Waiwhakaiho River to the east of the quarry site.



Figure 10 Jones Quarry Ltd quarry and cleanfill site on Hydro Road



Photo 12 Jones Hydro laydown area as viewed from the top of the current cleanfill discharge area, 30 January 2024



Photo 13 New excavation area, 30 January 2024

8.2 Resource consents

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

Copies of consents are included in Appendix I.

8.3 Compliance monitoring programme

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

8.4 Site inspections

Four compliance monitoring inspections were undertaken at the Company's Hydro Road quarry during the 2022-2024 period.

13 February 2023 & 15 June 2023

During the February and June 2023 inspections, there was minimal activity; no aggregate was being washed or crushed. The site was contoured and bunded to direct stormwater to a series of sediment retention ponds. No discharge from the final pond to the Waiwhakaiho River was observed on either occasion. The designated cleanfill site was noted to have been filled at the February 2023 inspection. At the June 2023 inspection, no prohibited materials were present within the cleanfill. The site was deemed compliant at both inspections.

30 January 2024

At the January 2024 inspection, the inspecting officers noted that the site was adequately contoured and bunded to direct storm and washwater to the treatment ponds and to prevent direct discharge of sediment-laden water to the Waiwhakaiho River. No crushing or aggregate washing was occurring and various piles of aggregate were observed onsite. As the discharge point was difficult to access, the inspecting officers conducted a visual inspection of the river. No sediment plume was observed emanating from the vicinity of the discharge point, therefore no sampling was undertaken. The southern banks of the Waiwhakaiho River with respect to the Jones Hydro site appeared to be well stabilised with vegetation.

The cleanfill site adjacent to the operational area was inspected. Old cleanfill material appeared to be contoured and stabilised with vegetation. Neither this nor the new fill material contained prohibited items. No erosion was evident on the tip face. The digger driver present onsite produced a list of acceptable and unacceptable cleanfill materials at the inspecting officers' request. This list is also displayed in the office. The driver confirmed that the excavation observed near the entrance to the site belonged to the quarry and that a pile of overburden in the near vicinity originated from that area. The site was considered compliant at the time of inspection.

16 May 2024

During the May 2024 inspection, the inspecting officers noted that the cleanfill contained a small amount of prohibited greenwaste and a small quantity of road matting. The suitability of the road matting was referred to the Council for assessment. Bunding was present to divert stormwater to treatment ponds and a portion of cleanfill had been contoured and revegetated. Unconsolidated cleanfill material was deposited next to the final sediment retention pond of the quarry and appeared to fall within the 20m limit of the Waiwhakaiho River. The inspecting officer requested that this be stabilised to prevent the final treatment ponds from being contaminated unnecessarily during heavy rainfall. The site was deemed non-compliant at inspection.

Desk assessment

Assessment of the quarry records revealed that Cleanfill material was being discharged outside of the designated area and no application to vary the conditions of the consent had been submitted to the Council. The Council met with the Company to discuss expectations to rectify this.

8.4.1 Chemical sampling

During the monitoring period under review, the Council was not required to undertake sampling of the discharges from the site and the water quality upstream and downstream of the discharge point and mixing zone.

8.5 Incidents, investigations, and interventions

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

For all significant compliance issues, as well as complaints from the public, the Council maintains a database record. The record includes events where the individual/organisation concerned has itself notified the Council. Details of any investigation and corrective action taken are recorded for non-compliant events.

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 individual/organisation is indeed the source of the incident (or that the allegation cannot be proven).

Table 35 sets out details of any incidents recorded, additional investigations, or interventions required by the Council in relation to the Company's activities during the 2022-2024 period. This table presents details of all events that required further investigation or intervention regardless of whether these were found to be compliant or not.

Table 35 Incidents, investigations, and interventions summary table

Date	Details	Compliant (Y/N)	Enforcement Action Taken?	Outcome
16 May 2024	Cleanfill material was being discharged to an unconsented location onsite	N	N	The Council met with the Company who were advised to contact the Consents Department for an early renewal.

8.6 Discussion

8.6.1 Discussion of site performance

Overall the Hydro Road site appeared to be reasonably well managed. The site was contoured and bunded to direct stormwater to ponds for treatment. Bunds adjacent to the Waiwhakaiho River were in sound order and the banks of the river were stabilised with vegetation. Visual inspections of the river did not indicate that the quarry's discharge was having a negative impact upon the receiving environment, therefore no water sampling was undertaken during the monitoring period under review.

Cleanfill material was generally of an acceptable standard. A list of acceptable and prohibited material is displayed in the office and is kept by quarry personnel in their vehicles. One instance of a small quantity of prohibited greenwaste and some textiles was noted at the May 2024 inspection. Cleanfill material was also found to have been discharged adjacent to the final sediment pond. This was not best practice and the Company was advised to stabilise the area immediately to avoid unnecessary contamination of the sediment pond during wet weather. A desk assessment revealed that the cleanfill discharge site had unofficially migrated from its original position on the true left bank of the Waiwhakaiho River. The Company was advised to apply for early consent renewal to address the new discharge area.

A desk assessment revealed that the last Contingency Plan for Consents 3888-4 and 3912-4 was submitted in 2018. The Council advises the Company to review this and then send the updated plan to the Council for certification.

8.6.2 Environmental effects of exercise of consents

The Council monitors for possible effects on stream life by conducting a visual inspection of the discharge from the quarry and streambed both up and downstream of the quarry discharge point. No adverse effects were detected during inspections of the site during the 2022-2024 monitoring period.

8.6.3 Evaluation of performance

A tabular summary of the Company's compliance record for the period under review is set out in Table 36 to Table 41.

Table 36 Summary of compliance with Consent 3888-4 over the 2022-2024 monitoring period

Purpose: To discharge treated stormwater from a quarry site onto and into land and into the Waiwhakaiho River		
Condition requirement	Means of monitoring during period under review	Compliance Achieved?
1. No direct discharge of untreated stormwater	Inspections of site and river	Yes
2. All stormwater directed through settling ponds prior to discharge	Site inspections	Yes
3. Discharge outlet to prevent backflow from the river into the settling pond	Site inspections	No. However, tap at final pond is considered to cover the requirements of this condition
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

Purpose: To discharge treated stormwater from a quarry site onto and into land and into the Waiwhakaiho River		
Condition requirement	Means of monitoring during period under review	Compliance Achieved?
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.	Yes
9. Beyond the mixing zone, discharge shall not affect the physical characteristics of receiving waters	Inspections of the river	Yes
10. Beyond the mixing zone, depending on upstream conditions, the discharge shall not increase the suspended solids concentration beyond 10gm ⁻³ or increase turbidity of the Waiwhakaiho River by more than 50%	Inspections of the river.	Yes
11. Maintain and regularly review a contingency plan	Review received September 2018	No. Requires updating
12. Notification prior to any changes in processes or operations at the site	Notification given of changes to settlement ponds and discharge point	NA
13. Review clause	Next review available in June 2026	N/A
Overall assessment of consent compliance and environmental performance in respect of this consent		High
Overall assessment of administrative performance in respect of this consent		Good

Table 37 Summary of environmental performance for 3888-4

Year	Consent numbers	High	Good	Improvement req	Poor
2018-2020		x			
2020-2022		x			
2022-2024		x			

The Company received a high rating for their environmental performance and a good rating for their administrative performance in relation to Consent 3888-4 for the monitoring period under review. The Contingency Plan was last reviewed in 2018 and requires updating.

Table 38 Summary of compliance with Consent 3912-4 over the 2022-2024 monitoring period

Purpose: To discharge treated washwater from shingle washing operations onto and into land and into the Waiwhakaiho River		
Condition requirement	Means of monitoring during period under review	Compliance Achieved?
1. No direct discharge of untreated washwater	Inspections of site and river	Yes
2. All washwater directed through settling ponds prior to discharge	Site inspections	Yes
3. Discharge outlet to prevent backflow from the river into the settling pond	Site inspections	No. However, tap at final pond is considered to cover the requirements of this condition
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

Purpose: To discharge treated washwater from shingle washing operations onto and into land and into the Waiwhakaiho River		
Condition requirement	Means of monitoring during period under review	Compliance Achieved?
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.	Yes
9. Beyond the mixing zone, discharge shall not affect the physical characteristics of receiving waters	Inspections of the river	Yes
10. Beyond the mixing zone, depending on upstream conditions, the discharge shall not increase the suspended solids concentration beyond 10gm ⁻³ or increase turbidity of the Waiwhakaiho River by more than 50%	Inspections of the river	Yes
11. Maintain and regularly review a contingency plan	Review received September 2018	No. Requires updating
12. Notification prior to any changes in processes or operations at the site	Notification given of changes to settlement ponds and discharge point	NA
13. Review clause	Next review available in June 2026	N/A
Overall assessment of consent compliance and environmental performance in respect of this consent		High
Overall assessment of administrative performance in respect of this consent		Good

Table 39 Summary of environmental performance for Consent 3912-4

Year	Consent numbers	High	Good	Improvement req	Poor
2018-2020		x			
2020-2022		x			
2022-2024		x			

With respect to Consent 3912-4, the Company received a high rating for their environmental performance and a good rating for their administrative performance for the monitoring period under review. The Contingency Plan was last reviewed in 2018 and requires updating.

Table 40 Summary of compliance with Consent 4912-2 over the 2022-2024 monitoring period

Purpose: To discharge clean-fill onto and into land for quarry reinstatement purposes in the vicinity of the Waiwhakaiho River		
Condition requirement	Means of monitoring during period under review	Compliance Achieved?
1. Consent shall be exercised in accordance with application	Site inspections & desk assessment	No. Officer report shows a different location for the original cleanfill discharge area
2. Only clean-fill and/or inert materials may be discharged	Site inspections. Unauthorised material present	Yes
3. Prohibited contaminants must not be discharged	Site inspections.	Yes

Purpose: To discharge clean-fill onto and into land for quarry reinstatement purposes in the vicinity of the Waiwhakaiho River		
Condition requirement	Means of monitoring during period under review	Compliance Achieved?
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 20m 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. Discharged material to be monitored to ensure compliance	Site inspections	Yes
8. After hours site access restriction	Site inspections	Yes
9. Provision of management plan	Management plan received 8 February 2008	Yes
10. Site remediation requirement	Site inspection	N/A
11. Consent holder to educate other people discharging to site to ensure consent compliance	Site inspections	Yes
12. Lapse clause	Consent exercised	N/A
13. Review clause	No further review options	N/A
Overall assessment of consent compliance and environmental performance in respect of this consent		Good
Overall assessment of administrative performance in respect of this consent		High

Table 41 Summary of environmental performance for 4912-2

Year	Consent numbers	High	Good	Improvement req	Poor
2018-2020	4912-2		x		
2020-2022	4912-2		x		
2022-2024	4912-2	x			

In relation to Consent 4912-2, the Company received a good rating for their environmental performance and a high rating for their administrative performance for the 1 July 2022 to 30 June 2024 monitoring period. Site inspections and a desk assessment revealed that the Company was not operating within the scope of the original application as the cleanfill discharge area had been moved to a new location. The Council advised the Company to apply for early renewal of the Consent 4912-2 to accommodate the current cleanfill area.

8.6.4 Recommendations from the 2020-2022 biennial Report

In the 2020-2022 biennial Report, it was recommended:

1. THAT monitoring of Jones Quarry Ltd's Hydro Road site in the 2022-2024 period continues at the same level as in 2020-2022 with two inspections per year, one to occur during summer and one during wet weather. Discharge samples are to be collected if warranted.

The recommendation 1 was implemented.

8.6.5 Alterations to monitoring programmes for 2024-2026

In designing and implementing the monitoring programmes for air/water discharges in the region, the Council has taken into account:

- the extent of information already made available through monitoring or other means to date;
- its relevance under the RMA;
- the Council's obligations to monitor consented activities and their effects under the RMA;
- the record of administrative and environmental performances of the consent holder; and
- reporting to the regional community.

The Council also takes into account the scope of assessments required at the time of renewal of permits, and the need to maintain a sound understanding of industrial processes within Taranaki exercising resource consents.

There are no planned changes for 2024-2026 monitoring programme.

It should be noted that the proposed programme represents a reasonable and risk-based level of monitoring for the site(s) in question. The Council reserves the right to subsequently adjust the programme from that initially prepared, should the need arise if potential or actual non-compliance is determined at any time during 2024-2025.

8.6.6 Exercise of optional review of consent

Resource Consents 3888-4 and 3912-4 provide for an optional review of the consent in June 2026. Conditions 13 of both consents allow the Council to review the consents for the purpose of ensuring that the conditions are adequate to deal with any adverse effects on the environment arising from the exercise of these resource consents, which were either not foreseen at the time the applications were considered or which it was not appropriate to deal with at the time.

Based on the results of monitoring in the year under review, and in previous years as set out in earlier annual compliance monitoring reports, it is considered that there are no grounds that require a review to be pursued or grounds to exercise the review option.

8.6.7 Recommendations

1. THAT monitoring of Jones Quarry Ltd's Hydro Road site in the 2024-2026 period continues at the same level as in 2022-2024 with two inspections per year, one to occur during summer and one during wet weather. Discharge samples are to be collected if warranted.
2. THAT the Company approaches the Council to discuss an early renewal for Consent 4912-2.

9. Jones Quarry Uruti Stone Ltd – Uruti 10th Compliance Monitoring Biennial Report 2022-2024

9.1 Introduction

Jones Quarry Uruti Stone Ltd (the Company) operates a quarry at Uruti, North Taranaki, having taken over management of the site from Valley Minerals in 2017. The site has been operating since 1929 and until 2001, was used primarily as a source of metal for local roads first by the Clifton County Council and later, the New Plymouth District Council. It is now a source of predominantly unconsolidated, gravel wash material for use in exposed aggregate concrete and similar ornamental building products. The site is located on a farm adjacent to State Highway 3 and near the true left bank of the Mimi River (Figure 11).

A dam fed by two unnamed tributaries of the Mimi River, with an approximate catchment area of 75ha, is located upstream of the processing site, with the overflow discharging into the unnamed tributary of the Mimi River. The site generally slopes towards this unnamed tributary, into which the treated stormwater and washwater discharge. The unnamed tributary flows through the site, under State Highway 3 and into the Mimi River approximately 650m downstream of the stormwater discharge point. The Mimi River flows into the coast approximately 15km from this confluence. The *Regional Fresh Water Plan for Taranaki* (TRC, 2021) identifies the Mimi River Catchment as a regionally significant whitebaiting area, having good diversity of native aquatic fauna including eels, whitebait, bullies and torrent fish. Therefore, all streams and tributaries feeding the Mimi River are considered very important in this regard.



Figure 11 Jones Quarry Uruti Stone Ltd quarry site location

The Company's active quarry site located in the hills covers approximately 3ha (Photo 14), while the processing site at the base of the hills is approximately 2.8ha (Photo 15). Aggregate excavated from the deposits is screened, washed and stockpiled for loading out. A new laydown area for stockpiling was built near the site's Mokau Road boundary, and this has its own two pond stormwater treatment system (Photo 16). Water used to wash the aggregate is taken from the dam (Photo 17). Washwater is recycled back into the dam via a series of settlement ponds and grassed areas used for filtering the water (Figure 12).



Photo 14 Upper site excavation area, 30 January 2024



Photo 15 Looking down towards the wash plant and central laydown area, 30 January 2024



Photo 16 Final treatment pond at roadside laydown area, 30 January 2024



Photo 17 Hurlstone Dam, 30 January 2024



Figure 12 Map showing circulation of water at Jones Uruti

9.2 Resource consents

Consent number	Purpose	Granted	Review	Expires
5124-2.1	To discharge stormwater from a quarry site onto and into land and into an unnamed tributary of the Mimi River and dam	14 October 2019	1 June 2027	1 June 2033
6272-2.0	To discharge treated washwater from a quarry site into a dam and an unnamed tributary of the Mimi River	13 August 2021	1 June 2027	1 June 2039
10143-1	To use an earth dam in an unnamed tributary of the Mimi River	4 September 2015	1 June 2027	1 June 2033
10146-1.1	To take and use water from an earth dam in an unnamed tributary of the Mimi River	25 February 2020	1 June 2027	1 June 2033

Copies of consents are included in Appendix I.

9.3 Compliance monitoring programme

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

9.4 Site inspections

Four compliance monitoring inspections were undertaken during the monitoring period under review. There was one recorded advice and information.

30 November 2022

The site was operating at the time of inspection and the wash plant was active. Water was being pumped from the dam (pond 6) and circulated through the wash plant. Following this, sediment-laden washwater was being discharged into pond 1 and 2. A pump was drawing water from pond 2 and discharging it to ponds 3 to 6. Upon inspection, it became apparent that the pump was not operating as intended. Consequently, sediment-laden water was being discharged out of pond 2 and into the unnamed tributary of the Mimi River. Samples were taken of the discharge and the receiving environment to assess potential adverse effects on the environment. Staff were advised of the discovery and were directed to cease washing until the washwater could be controlled and managed to ensure compliance with resource consent conditions. This was actioned immediately. The inspecting officer also noted that the sediment treatment ponds adjacent to the historic overburden pile (below the laydown area) had been cleaned out and all of the ponds removed. This resulted in poor sediment control and treatment for the laydown area. The stockpile site adjacent to Mokau Road was also inspected. Although the sediment controls were in place and operational, work was required to ensure that the treatment system continued to operate and did not fail. The Company was notified and advised to address these concerns. The sampling results were returned by Hill Laboratories and confirmed that the site was non-compliant with consent conditions at the time of inspection. An infringement notice was subsequently issued for the non-compliance.

5 December 2022 (Advice & information)

A Council Hydrology Officer contacted the Company to advise that the flowmeter required verification by Greaves Electrical. They were also advised that if verification did not occur then an abatement notice may be issued.

13 June 2023

There was no activity onsite at the time of inspection. No water was being drawn from the dam and no washwater or stormwater was being discharged to the unnamed tributary of the Mimi River. The tributary downstream of the dam appeared clear and uncoloured. The site was deemed compliant with consent conditions.

31 January 2024

There were two personnel onsite and the wash plant was not operating at the time of inspection. The flow meter was located and the inspecting officers were informed that its battery required changing. The flowmeter verification certificate was yet to be received by the Council, as was the telemetered take data. As these requirements had not been addressed since they were raised by the Council, the site was considered non-compliant with respect to conditions 4 and 5 of Consent 10146-1.1.

The bunds on route to the upper site were generally in sound order; a small section required repair. Two sediment ponds with clear to slightly turbid were located at the upper site. The excavation area contained some ponded water and no personnel were operating at this location. An area of slope adjacent to the road leading to the wash plant was denuded of vegetation and appeared to be slumping. An inspection showed that sediment-laden water originating from this unstabilised area was diverted to a drain leading directly to the treatment ponds which discharge into the dam (Photo 18). The dam was discharging into the unnamed tributary. All ponds including the dam appeared to be turbid. The ponds had been cleared out recently to facilitate more efficient water treatment. Both wash plant ponds contained turbid water, no foam or hydrocarbon sheen were visible.

Two sediment retention ponds which collected stormwater water from this site were located near the laydown area. Neither ponds were discharging at the time of inspection. No water samples were taken during the inspection.



Photo 18 Slope down which pond cleanings have been deposited

Note: The loose material can wash into the drain which leads to the sediment ponds, 2024

20 May 2024

The site was active and the washplant plant was operating. The upper quarry site was inspected and a new excavation face was observed. The upper site was well bunded with stormwater directed to two small sediment retention ponds which were slightly turbid. The bunds along the access road were in sound order. The inspecting officer noted that unconsolidated material had been deposited onto the slope adjacent to the access road and just above the lower site. The Company stated that this was done to widen the access track for health and safety reasons.

The lower site was inspected. The flow meter was discovered to be registering a take rate of 60.7L/s. This contravened the water take consent limit of 33.5L/s. Photographic evidence was obtained. The inspecting officer noted that the washwater from the wash plant appeared very turbid. All of the treatment ponds which eventually discharged into the dam were turbid (Photo 19). Water samples were obtained at the discharge point from the dam to the unnamed tributary of the Mimi River and at upstream and downstream locations according the consent conditions. With the exception of an area in front of the wash plant, the bottom site generally was well bunded and directed washwater and stormwater to the appropriate sediment ponds.



Photo 19 Discharge from the final sediment pond created a turbid plume in the dam, 20 May 2024

As the stormwater discharge to the unnamed tributary created noticeable visual effects, a sample was taken of the stormwater discharge and as per the consent conditions, at upstream and downstream locations along the unnamed tributary. The laydown area was inspected and was noted to be well bunded. The water in the two-pond system which captured stormwater from the site was noted to be clear and was not discharging to the unnamed tributary. The water in the culvert which discharged to the Mimi River created a small plume. The sampling results returned by Hill Laboratories confirmed the site was non-compliant with respect to consent conditions at the time of inspection. Abatement notices were subsequently issued for the non-compliances.

9.4.1 Chemical sampling

The Council undertook sampling of both the discharges from the site and the water quality upstream and downstream of the discharge point and mixing zone on two occasions during the monitoring period under review. The results are presented in Table 42 to Table 47.

9.5 Results

9.6 Water

9.6.1 Results of receiving environment monitoring

Table 42 Washwater discharge, IND002028

Parameter	Units	IND002028	
		30 November 2022	20 May 2024
pH	pH units	-	7.4
EC	mS/m	25.0	19.5
TSS	g/m ³	1080	68
TPHC	g/m ³	-	<0.7
Turbidity	FNU	1280	65.0

Table 43 D/S washwater discharge

Parameter	Units	D/S	25m D/S
		30 November 2022	20 May 2024
pH	pH units	-	7.8
Electrical conductivity	mS/m ³	25.0	19.3
Total suspended solids	g/m ³	810	17
Total petroleum hydrocarbons	g/m ³	-	<0.7
Turbidity	FNU	167	55

Table 44 U/S washwater discharge

Parameter	Units	US	U/S
		30 November 2022	20 May 2024
pH	pH units	-	7.8
Electrical conductivity	mS/m ³	21.1	29.1
Total suspended solids	g/m ³	103	<3
Total petroleum hydrocarbons	g/m ³	-	<0.7
Turbidity	FNU	183	4.6

Table 45 Stormwater discharge, STW002043

Parameter	Units	STW002043
		20 May 2024
pH	pH units	7.8
EC	mS/m	23.7
TSS	g/m ³	390
TPHC	g/m ³	<0.7
Turbidity	NTU	680

Table 46 25m D/S of stormwater discharge

Parameter	Units	25m D/S)
		20 May 2024
pH	pH units	7.5
Electrical conductivity	mS/m ³	21.3
Total suspended solids	g/m ³	137
Total petroleum hydrocarbons	g/m ³	<0.7
Turbidity	NTU	230

Table 47 U/S of stormwater discharge

Parameter	Units	25m D/S)
		20 May 2024
pH	pH units	7.5
Electrical conductivity	mS/m3	21.3
Total suspended solids	g/m3	13
Total petroleum hydrocarbons	g/m3	<0.7
Turbidity	NTU	36

9.7 Incidents, investigations, and interventions

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

For all significant compliance issues, as well as complaints from the public, the Council maintains a database record. The record includes events where the individual/organisation concerned has itself notified the Council. Details of any investigation and corrective action taken are recorded for non-compliant events.

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 individual/organisation is indeed the source of the incident (or that the allegation cannot be proven).

In the 2022-2024 period, the Council was required to undertake enforcement action on two occasions in association with the Company's conditions in resource consents. Table 48 sets out details of any incidents recorded, additional investigations, or interventions required by the Council in relation to the Company's activities during the 2022-2024 monitoring period. This table presents details of all events that required further investigation or intervention regardless of whether these were found to be compliant or not.

Table 48 Incidents, investigations, and interventions summary table

Date	Details	Compliant (Y/N)	Enforcement Action Taken?	Outcome
30 November 2022	Discharge of contaminant, namely sediment laden stormwater, onto or into land in circumstances which may have resulted in that contaminant (or any other contaminant emanating as a result of natural processes from that contaminant) entering water, namely an unnamed tributary of the Mimi Stream, when the discharge was not expressly allowed by a national environmental standard or other regulations, a rule in a regional plan, or a resource consent.	N	Y	Infringement notice issued
20/05/2024	Exceedance of consented abstraction rate Failure to telemeter water take data to the Council	N	Y	Abatement notice issued requiring the maintenance and management of the flowmeter and adherence to the consented take limit to ensure compliance with Consent 10146-1.1.

Date	Details	Compliant (Y/N)	Enforcement Action Taken?	Outcome
20/05/2024	Failure to ensure sufficient sediment control to avoid contravention of washwater consent conditions	N	Y	Abatement notice issued requiring the maintenance and effective management of the washwater system to ensure compliance with Consent 6272-2.
20/05/2024	Failure to ensure sufficient sediment control to avoid contravention of stormwater consent conditions	N	Y	Abatement notice issued requiring the maintenance and effective management of the stormwater system to ensure compliance with Consent 5124-2.1.

9.8 Discussion

9.8.1 Discussion of site performance

The Jones Uruti Quarry is situated in a sensitive environment. Given the nature of the aggregate which has a high proportion of matrix (sandy material) to gravel, the Company must adopt an iterative approach to site management so that at all times, the site's ability to treat sediment laden washwater and stormwater prior to its return to the receiving environment is maintained. Non-compliances during the monitoring period under review were related to poor treatment of washwater and stormwater during aggregate washing, failure to telemeter water abstraction data to the Council and exceedances of the consented abstraction limit. The Company received one infringement notice following the 30 November 2022 inspection and three abatement notices in relation to non-compliances found during the 20 May 2024 inspection. The abatement notices required the Company to undertake maintenance and effective management of the washwater and stormwater systems to ensure compliance with Consents 6272-2.0 and 5124-2.1. The abatement notice for Consent 10146-1.1 required the Company to undertake maintenance and management of the flowmeter and to adhere to the consented take limit to ensure compliance with Consent 10146-1.1

General improvements in management practices such as ceasing to discharge unconsolidated pond cleanings over the side of the road (Photo 18) and into an area that is directly connected to the treatment ponds may help to improve the site's treatment capacity. Given the site's history and the most recent issues with sediment control, the Council has deemed it necessary to increase the inspection frequency to four times per annum. This frequency will be revisited when the Company has consistently demonstrated that activity at the site is not having adverse effects upon the receiving environment.

9.8.2 Environmental effects of exercise of consents

Adverse environmental effects were noted in the receiving environment on two occasions when inspections coincided with the operation of the wash plant. A visual inspection of the receiving environment revealed that sediment-laden stormwater and washwater were not being adequately treated prior to discharge to the unnamed tributary of the Mimi River. At the May 2024 inspection, it was noted that the flowmeter was recording a value of 60.7L/s. This significantly exceeded the 33.5L/s consented limit.

9.8.3 Evaluation of performance

A tabular summary of the Company's compliance record for the period under review is set out in Table 49 to Table 54.

Table 49 Summary of compliance with Consent 5124-2.1 from 1 July 2022 to 30 June 2024

Purpose: To discharge stormwater from a quarry site onto and into land and into an unnamed tributary of the Mimi River and dam		
Condition requirement	Means of monitoring during period under review	Compliance Achieved?
1. Exercise consent in accordance with consent application information	Site inspections	Yes
2. Exercise consent in accordance with supplied management plans	Site inspections.	Yes
3. Site management plan supplied	Plan received 2022, however requires updating	Yes
4. Best practicable option	Site inspections	No. Pond cleanings deposited down side of track. Area is connected to the drain which leads to the settlement ponds.
5. Operate and progressive reinstatement of the site	Inspections of the excavation area	N/A
6. Stormwater catchment area to be no more than 3ha at the lower site and 3ha at the upper site	Site inspections, GIS measurements	Yes
7. Concentration limits in the discharge	Observations of stormwater discharge	No
8. Discharge shall not give rise to effects beyond the mixing zone	Inspections of the stream, upstream and downstream of the discharge point	No
9. Beyond the mixing zone, depending on upstream conditions, the discharge shall not increase the suspended solids concentration beyond 10gm ⁻³ or increase turbidity of the Mimi River by more than 50%	Inspections of the tributary and the Mimi River	No
10. Site contingency plan maintained	Contingency information included in general management plan supplied 2022.	No. Requires updating.
11. Consent holder to notify prior to operational changes	No notifications received	N/A
12. Review provision	June 2027	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		Poor Improvement Required

Table 50 Summary of environmental performance for 5124-2.1

Year	Consent numbers	High	Good	Improvement req	Poor
2018-2020	5124-2.1	x			
2020-2022	5124-2.1	x			
2022-2024	5124-2.1				x

During the year, the Company demonstrated a poor level of environmental performance and improvement was required in relation to their administrative performance with respect to the resource consent as defined in Appendix II. In 2024, the Company received an abatement notice for discharging poorly treated stormwater into the receiving environment. Improvement is required in terms of administrative performance. This relates to regularly reviewing and updating management plans.

Table 51 Summary of compliance with Consent 6272-2.0 from 1 July 2022 to 30 June 2024 monitoring period

Purpose: To discharge treated washwater from a quarry site into an unnamed tributary of the Mimi River and dam		
Condition requirement	Means of monitoring during period under review	Compliance Achieved?
1. Exercise consent in accordance with consent application information	Site inspections	Yes
2. Exercise consent in accordance with supplied management plan	Site inspections.	Yes
3. Site management plan supplied	Plan received July 2021.	No. Requires updating.
4. No direct discharge of untreated washwater	Site inspection	Yes
5. Consent holder to implement re-circulatory systems	Site inspection	Yes
6. Best practicable option	Site inspection	No. Insufficient treatment of washwater prior to discharge into the receiving environment
7. Concentration limits in the discharge	Site inspection	No
8. Discharge shall not give rise to effects beyond the mixing zone	Site inspection	No
9. Beyond the mixing zone, depending on upstream conditions, the discharge shall not increase the suspended solids concentration beyond 10gm^{-3} or increase turbidity of the Mimi River by more than 50%	Site inspection	No
10. Site contingency plan maintained	Included within general management plan.	No. Requires updating.
11. Consent holder to notify prior to operational changes	No notifications received	N/A
12. Review provision	No further review dates	N/A
Overall assessment of consent compliance and environmental performance in respect of this consent Overall assessment of administrative performance in respect of this consent		Poor Improvement Required

Table 52 Summary of environmental performance for 6272-2.0

Year	Consent numbers	High	Good	Improvement req	Poor
2020-2022	6272-2.0	x			
2022-2024	6272-2.0				x

During the year monitoring year under review, the Company demonstrated a poor level of environmental performance and improvement was required in relation their level of administrative performance with respect to their resource consent as defined in Appendix II. During 2022 the Company received an infringement notice for discharging poorly treated washwater into the receiving environment. In 2024, they received an abatement notice for the same issue. Improvement is required in terms of administrative performance. This relates to regularly reviewing and updating management plans.

Table 53 Summary of compliance with Consent 10146-1.1 over the 2022-2024 monitoring period

Purpose: To take and use water from an earth dam in an unnamed tributary of the Mimi River		
Condition requirement	Means of monitoring during period under review	Compliance Achieved?
1. Take shall not exceed 33.5L/s	Flowmeter	No
2. Water to be discharged back into dam	Site inspections	Yes
3. Best practicable option	Site inspections	No. Abstracting above consented limit.
4. Recording and annual supply of abstraction data	Site inspections & desk assessment	No
5. Flowmeter to be verified	Flowmeter verified 21/06/2024	Yes
6. Repairs and maintenance to be notified and carried out by qualified persons	Desk assessment	N/A
7. Flowmeters to be accessible at all times	Site inspection	Yes
8. Intake to be screened	Site inspections	NA
9. Review clause	June 2027	N/A
Overall assessment of consent compliance and environmental performance in respect of this consent		Poor
Overall assessment of administrative performance in respect of this consent		Poor

NA= Not Assessed

Table 54 Environmental summary for 10146-1.1

Year	Consent numbers	High	Good	Improvement req	Poor
2018-2020	10146-1.1			x	
2020-2022	10146-1.1			x	
2022-2024	10146-1.1				x

During the monitoring period under review, the Company demonstrated a poor level of environmental and administrative performance with respect to their abstraction consent as defined in Appendix II. After multiple discussions, they were issued an abatement notice requiring them to supply a flowmeter verification certificate as per their consent conditions. Under the revised water take regulations, they were also required to telemeter their abstraction data to the Council. This was only rectified in June 2024. At the May 2024 inspection, the inspecting officers noted that the Company was in breach of their abstraction limit as they were taking almost double their permitted limit.

9.8.4 Recommendations from the 2020-2022 Biennial Report

In the 2020-2022 Biennial Report, it was recommended:

1. THAT monitoring of Jones Quarry Uruti Stone Ltd's Uruti site in the 2020-2022 period continues at the same level as in 2018-2020 with two inspections per year, one to occur during summer and one during wet weather. Discharge samples are to be collected if warranted.
2. THAT the Company prepare and submit a contingency plan as per special condition 10 of Consents 5124-2.1 and 6272
3. THAT a verified flowmeter is installed to comply with special conditions 1, 2 and 4 of Consent 10146-1.1
4. THAT the Company updates the Stormwater and Management Plan and Site map to include the settlement ponds for runoff from the laydown area beside Mokau Rd.

Recommendations 1 to 4 were implemented.

9.8.5 Alterations to monitoring programmes for 2024-2026

In designing and implementing the monitoring programmes for air/water discharges in the region, the Council has taken into account:

- the extent of information already made available through monitoring or other means to date;
- its relevance under the RMA;
- the Council's obligations to monitor consented activities and their effects under the RMA;
- the record of administrative and environmental performances of the consent holder; and
- reporting to the regional community.

The Council also takes into account the scope of assessments required at the time of renewal of permits, and the need to maintain a sound understanding of industrial processes within Taranaki exercising resource consents.

Planned changes for 2024-2026 monitoring programme include increasing the inspection and sampling frequency to four times per year until the Company demonstrates that effective sediment control is being undertaken at the site.

It should be noted that the proposed programme represents a reasonable and risk-based level of monitoring for the site(s) in question. The Council reserves the right to subsequently adjust the programme from that initially prepared, should the need arise if potential or actual non-compliance is determined at any time during 2024-2026.

9.8.6 Recommendations for 2024-2026

1. THAT the monitoring and sampling frequency is increased to four times per annum until the Company demonstrates that effective sediment control is being undertaken at the site.
2. THAT the Company updates and submits the Stormwater and Management Plan and site map.

10. R J Dreaver – Brixton quarry and cleanfill 6th Compliance Monitoring Report 2022-2024

10.1 Introduction

R J Dreaver quarry and cleanfill site at Kairau Road near Brixton is located on the true right bank of the Waiongana Stream in the Waiongana Catchment (Figure 13). On-site stormwater is directed to a central collection area in the main quarry pit (Photo 21). This is then pumped to a series of four settlement ponds which trend parallel to the Waiongana Stream. An outlet control on the last pond regulates flow to the tributary, which flows into the Waiongana Stream. Aggregate washing does not take place on-site and crushing only occurs when sand is required for a particular job (a crusher is brought on-site for this purpose). The *Regional Fresh Water Plan for Taranaki (TRC, 2021)* identifies the Waiongana Stream and its tributaries as having high, natural ecological and amenity value. Specifically it is identified as being highly valued for angling, and highly rated for recreation including whitebaiting. Thus it is particularly important to have careful management of the quarry stormwater system.



Figure 13 R J Dreaver quarry and cleanfill site



Photo 20 Dreaver Quarry, 23 January 2024



Photo 21 Sediment retention pond on the western margin of the quarry site

Note: Prior to discharge, water is pumped via the pipe visible to the left of the photograph and into the sediment ponds which run parallel to the Waiongana Stream 23 January 2024

10.2 Resource consents

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

Copies of consents are included in Appendix I.

10.3 Compliance monitoring programme

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

10.4 Site inspections

Five compliance monitoring inspections were undertaken at the R J Dreaver Quarry and Cleanfill during the 2022-2024 period. The treatment ponds were discharging on one occasion during the June 2023 inspection. The water appeared clear and adequately treated. No sampling occurred during the monitoring period under review.

During the 23 January 2024 inspection, the inspecting officers discovered prohibited material in the cleanfill (Photo 22). This was discussed with the quarry manager who was aware of this issue. The Council advised that it needed to be removed from the site. At all other inspections, the cleanfill was deemed compliant with consent conditions. A desk assessment following the 23 January 2024 inspection revealed that the active footprint of the quarry appeared to exceed its consented extent.



Photo 22 Prohibited material in cleanfill, 23 January 2024

10.4.1 Chemical sampling

During the year under review, the Council was not required to undertake sampling of the discharges from the site and the water quality upstream and downstream of the discharge point and mixing zone.

10.5 Incidents, investigations, and interventions

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

For all significant compliance issues, as well as complaints from the public, the Council maintains a database record. The record includes events where the individual/organisation concerned has itself notified the Council. Details of any investigation and corrective action taken are recorded for non-compliant events.

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 individual/organisation is indeed the source of the incident (or that the allegation cannot be proven).

In the 2022-2024 period, the Council was required to undertake further investigations on one occasion in association with the Company's conditions in resource consents. Table 55 sets out details of any incidents recorded, additional investigations, or interventions required by the Council in relation to the Company's activities during the 2022-2024 monitoring period. This table presents details of all events that required further investigation or intervention regardless of whether these were found to be compliant or not.

Table 55 Incidents, investigations, and interventions summary table

Date	Details	Compliant (Y/N)	Enforcement Action Taken?	Outcome
23 January 2024	Prohibited material found in cleanfill.	N	N	Material had been removed by the following inspection.
23 January 2024	Desk assessment revealed exceedance of consented quarry footprint	N	N	Council advised that the Company either revegetates part of the active area to reduce the quarry footprint or approaches the Consents Department to vary the conditions of their consent.

10.6 Discussion

10.6.1 Discussion of site performance

The site was reasonably well managed during the monitoring period under review with no adverse effects noted in the receiving environment. On one occasion, the inspecting officer noted that the settlement ponds running parallel to the Waiongana Stream contained water which appeared clear and uncoloured, no sampling was necessary. Sampling was not conducted during the remainder of the site inspections as no discharge was occurring from the site. A desk assessment of aerial imagery revealed that the contributing stormwater catchment appeared to exceed its consented limit. Council advised the Company to apply for a variation in the consent to address this.

The cleanfill generally contained acceptable material. On two occasions, a small quantity of greenwaste was noted. At the January 2024 inspection, prohibited material (Photo 22) was observed in the cleanfill. This was

raised with the site manager immediately. The material had been removed by the following inspection. No enforcement action was necessary.

10.6.2 Environmental effects of exercise of consents

The Council monitors for possible effects on stream life by conducting a visual inspection of the discharge from the quarry and streambed both up and downstream of the quarry discharge point. Inspections of the site over the 2022-2024 monitoring year noted two incidences of non-compliances. One related to the exceedance of the quarry footprint, the other related to the discharge of unauthorised material to the cleanfill. Enforcement action was not undertaken in either instances.

10.6.3 Evaluation of performance

A tabular summary of the R J Dreaver quarry site compliance record for the period under review is set out in Table 56 to Table 59.

Table 56 Summary of compliance with Consent 9526-1 over the 2022-2024 monitoring period

Purpose: To discharge stormwater from a quarry site into an unnamed tributary of the Waiongana Stream		
Condition requirement	Means of monitoring during period under review	Compliance Achieved?
1. Maximum active quarry area of 0.25ha	Site inspections and GIS measurements	No
2. Runoff from exposed quarry areas to pass through treatment systems that meet the minimum capacity requirements specified in the consent	Site inspections	Yes
3. Progressive reinstatement of exposed earth area as soon as is practicable	Site inspections	Not apparent
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 limit of 50gm ³ in the discharge	Inspections of discharge - No samples collected	Yes
7. Beyond the mixing zone of 10m, discharge shall not affect the physical characteristics of receiving waters	Inspections of the river.	Yes
8. Lapse clause	Consent exercised	N/A
9. Review clause	Next review available in June 2026	N/A
Overall assessment of consent compliance and environmental performance in respect of this consent		Good
Overall assessment of administrative performance in respect of this consent		High

Table 57 Summary of environmental performance for Consent 9526-1

Year	Consent numbers	High	Good	Improvement req	Poor
2018-2020	9526-1		x		
2020-2022	9526-1		x		
2022-2024	9526-1		x		

During the monitoring period under review, the Company demonstrated a good level of environmental performance and a high level of administrative performance with respect to their resource consent as defined in Appendix II. A desk assessment of aerial imagery revealed that the quarry's stormwater

catchment exceeded the consented limit. Council advised that the Company should apply for a variation in consent to address this.

Table 58 Summary of compliance with Consent 9527-1 over the 2022-2024 monitoring period

Purpose: To discharge cleanfill onto and into land and into water		
Condition requirement	Means of monitoring during period under review	Compliance Achieved?
1. Discharge shall only occur in the area specified in the consent	Site inspections	Yes
2. Only clean-fill and/or inert materials may be discharged	Site inspections	No
3. Prohibited contaminants must not be discharged	Site inspections	No
4. In cases of uncertainty regarding a contaminant, written approval must be obtained from the Council prior to discharge	Desk assessment	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	N/A
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	No
9. Site remediation requirement	Site inspection	N/A. Site still active
10. Lapse clause	Consent exercised	N/A
11. Review clause	Next review available in June 2026	N/A
Overall assessment of consent compliance and environmental performance in respect of this consent		Good
Overall assessment of administrative performance in respect of this consent		High

Table 59 Environmental summary for 9527-1

Year	Consent numbers	High	Good	Improvement req	Poor
2018-2020	9527-1		x		
2020-2022	9527-1	x			
2022-2024	9527-1		x		

During the monitoring period under review, the Company demonstrated a good level of environmental performance and high level of administrative performance with respect to their cleanfill consent as defined in Appendix II. On two occasions, the cleanfill was noted to contain a small quantity of greenwaste. On one occasion, the inspecting officers observed a pile of prohibited material. More care is required in relation to monitoring discharges to the site.

10.6.4 Recommendations from the 2020-2022 Biennial Report

In the 2020-2022 Biennial Report, it was recommended:

1. THAT monitoring of RJ Dreaver's Kairau Road site in the 2022-2024 period continues at the same level as in 2020-2022 with two inspections per year, one to occur during summer and one during wet weather. Discharge samples are to be collected if warranted

Recommendation 1 was implemented.

10.6.5 Alterations to monitoring programmes for 2024-2026

In designing and implementing the monitoring programmes for air/water discharges in the region, the Council has taken into account:

- the extent of information already made available through monitoring or other means to date;
- its relevance under the RMA;
- the Council's obligations to monitor consented activities and their effects under the RMA;
- the record of administrative and environmental performances of the consent holder; and
- reporting to the regional community.

The Council also takes into account the scope of assessments required at the time of renewal of permits, and the need to maintain a sound understanding of industrial processes within Taranaki exercising resource consents.

There are no planned changes for the 2024-2026 monitoring programme.

It should be noted that the proposed programme represents a reasonable and risk-based level of monitoring for the site(s) in question. The Council reserves the right to subsequently adjust the programme from that initially prepared, should the need arise if potential or actual non-compliance is determined at any time during 2024-2026.

10.6.6 Exercise of optional review of consent

Resource Consents 9526-1 and 9527-1 provide for an optional review of the consents in June 2026. Conditions 9 and 11 of the respective consents allow the Council to review the consents, for the purpose of ensuring that the conditions are adequate to deal with any adverse effects on the environment arising from the exercise of these resource consents, which were either not foreseen at the time the application was considered or which it was not appropriate to deal with at the time.

Based on the results of monitoring in the year under review, and in previous years as set out in earlier annual compliance monitoring reports, it is considered that there are no grounds that require a review to be pursued or grounds to exercise the review option.

10.6.7 Recommendations for 2024-2026

1. THAT the monitoring of RJ Dreaver's Kairau Road site in the 2024-2026 period continues at the same level as in 2020-2022 with two inspections per year, one to occur during summer and one during wet weather. Discharge samples are to be collected if warranted.
2. THAT the Company either stabilizes and revegetates a portion of the site to reduce the active footprint or that the Company contacts the Consents Team to vary the conditions of Consent 9526-1.

11. Taranaki Trucking Company Ltd, Wiremu Road 17th Compliance Monitoring Biennial Report 2022-2024

11.1 Introduction

Taranaki Trucking Company Ltd (the Company) operates a quarry site located in an area of farmland accessed off Wiremu Road (Figure 14). The active site covers approximately 7.4ha. The site was originally developed into a quarry by the Egmont County Council in 1987. The consents passed to the South Taranaki District Council when it was formed, and later transferred to the Company in February 1993.

Aggregate is excavated from volcanic debris flow material in the central portion of the site (Photo 23) and is crushed onsite. While the Company holds a resource consent to abstract water for washing, no washing has occurred for a few years. Stormwater is directed through a network of open drains to the settling ponds for treatment. The final pond currently discharges into the neighbour's paddock with the potential for water to reach the drain which may lead to a stream.



Figure 14 Taranaki Trucking Company Ltd quarry site



Photo 23 Excavation pit. Part of the excavation area can be seen in the foreground

Note: The first of the stormwater ponds can be seen in the middle of the photo

11.2 Resource consents

Consent number	Purpose	Granted	Review	Expires
2184-3	To discharge treated wastewater from quarry operations into an unnamed tributary of the Heimama Stream	30 November 2012	No further reviews	1 June 2030
2293-3.1	To take water from an excavated pond in the vicinity of an unnamed tributary of the Heimama Stream for quarrying operations	30 November 2012 (Commenced 16 November 2017)	No further reviews	1 June 2030

Copies of consents are included in Appendix I.

11.3 Compliance monitoring programme

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

11.4 Site inspections

Four compliance monitoring inspections were undertaken at the Wiremu Road site and two instances of advice and information correspondences were recorded within the 2022-2024 monitoring period. During all inspections, the inspecting officers noted that aggregate washing did not occur. In February and June 2023, no issues were noted onsite and sediment control appeared to be satisfactory. No visible effects were observed in the receiving environment. At the January and May 2024 inspections, it was noted that there was a large mound of unconsolidated earth at the final pond. In May 2024, the inspecting officer noted that a drain which conveyed stormwater from the central area of the site was bypassing the treatment ponds and was discharging onto the neighbouring property in the near vicinity of a drain. The inspecting officer

informed the Company that they would receive an abatement notice directing them to address the discharge of untreated stormwater and to install a shut off valve at the final pond as per the consent conditions. At a later date, the Company requested an extension to safely undertake the required works during more favourable weather. This was granted.

11.4.1 Chemical sampling

During the monitoring period under review, the Council was not required to undertake sampling of the discharge from the site and the water quality upstream and downstream of the discharge point and mixing zone.

11.5 Incidents, investigations, and interventions

The monitoring programme for the year was based on what was considered to be an appropriate level of monitoring, review of data, and liaison with Taranaki Trucking Company Ltd. During the year matters may arise which require additional activity by the Council, for example provision of advice and information, or investigation of potential or actual causes of non-compliance or failure to maintain good practices. A proactive approach, that in the first instance avoids issues occurring, is favoured.

For all significant compliance issues, as well as complaints from the public, the Council maintains a database record. The record includes events where the individual/organisation concerned has itself notified the Council. Details of any investigation and corrective action taken are recorded for non-compliant events.

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 individual/organisation is indeed the source of the incident (or that the allegation cannot be proven).

Table 59 sets out details of any incidents recorded, additional investigations, or interventions required by the Council in relation to the Company's activities during the 2022-2024 period. This table presents details of all events that required further investigation or intervention regardless of whether these were found to be compliant or not.

Table 60 Incidents, investigations, and interventions summary table

Date	Details	Compliant (Y/N)	Enforcement Action Taken?	Outcome
21/05/2024	Stormwater found to be bypassing treatment ponds with the potential to impact the receiving environment No shut off valve installed on final pond	N	Y	Abatement notice issued directing the Company to undertake works to ensure compliance. An extension was granted to enable works to be completed safely during more favourable weather.

11.6 Discussion

11.6.1 Discussion of site performance

The site was generally run according to the requirements of the consent conditions. At the January and May 2024 inspections, a pile of unstabilised material was noted at the final sediment pond. At the May inspection, a drain conveying untreated stormwater was found to be bypassing the treatment ponds and discharging into the neighbouring paddock in the near vicinity of a drain. As no sediment-laden water was observed to be entering the drain, no sampling was undertaken. The inspecting officer also noted that the

final pond did not have a shut off valve as required by consent conditions. The Company received an abatement notice which required works to be undertaken to ensure compliance. The Company requested an extension to the deadline to ensure that the required works could be undertaken in settled weather. This was granted. While the abstraction consent for the site is still active, the Company has not exercised its use for a few years as aggregate washing no longer occurs onsite. Any effects of the quarrying activity will likely be negligible.

11.6.2 Environmental effects of exercise of consents

The Council monitors for possible effects on stream life by conducting a visual inspection of the discharge from the quarry and streambed both up and downstream of the quarry discharge point. Inspections of the site over the 2022-2024 monitoring period did not note any adverse effects occurring in the receiving waters.

11.6.3 Evaluation of performance

A tabular summary of Taranaki Trucking's compliance record for the period under review is set out in Table 61 to Table 64.

Table 61 Summary of compliance with Consent 2184-3 over the 2022-2024 monitoring period

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

Table 62 Summary of environmental performance for Consent 2184-3

Year	Consent numbers	High	Good	Improvement req	Poor
2018-2020	2184-3	x			
2020-2022	2184-3	x			
2022-2024	2184-3			x	

During the monitoring period under review, the Company demonstrated a high level of administrative performance and improvement was required in relation to their environmental performance with respect to their resource consent as defined in Appendix II. On two occasions, the Company was not following best practice by failing to stabilise a pile of unconsolidated earth adjacent to the final pond. The Company received an abatement notice to address the issue of untreated stormwater by-passing the sediment ponds and entering a neighbouring property. In addition, they were required to install a shutoff valve at the final pond to comply with condition 4 of their resource consent.

Table 63 Summary of compliance with Consent 2293-3.1 over the 2022-2024 monitoring period

Purpose: To take water from an excavated pond in the vicinity of an unnamed tributary of the Heimama Stream for quarrying operations		
Condition requirement	Means of monitoring during period under review	Compliance Achieved?
1. Restriction of abstraction volume to 320m ³ /day and 4.8L/s	Site inspections	Yes
2. Adopt best practicable option	Site inspections	Yes
3. Review of consent	No further reviews	N/A
Overall assessment of consent compliance and environmental performance in respect of this consent		High
Overall assessment of administrative performance in respect of this consent		High

Table 64 Environmental performance summary for Consent 2293-3.1

Year	Consent numbers	High	Good	Improvement req	Poor
2018-2020		x			
2020-2022		x			
2022-2024		x			

During the monitoring period under review, the Company demonstrated a high level of environmental and administrative performance with respect to their resource consent as defined in Appendix II. All conditions were being complied with.

11.6.4 Recommendations from the 2020-2022 Biennial Report

In the 2020-2022 Biennial Report, it was recommended:

1. THAT monitoring of Taranaki Trucking Company Ltd's Wiremu Road site in the 2022-2024 period continues at the same level as in 2020-2022 with two inspections per year, one to occur during summer and one during wet weather. Discharge samples are to be collected if warranted.

Recommendation 1 was implemented.

11.6.5 Alterations to monitoring programmes for 2024-2026

In designing and implementing the monitoring programmes for air/water discharges in the region, the Council has taken into account:

- the extent of information already made available through monitoring or other means to date;
- its relevance under the RMA;
- the Council's obligations to monitor consented activities and their effects under the RMA;
- the record of administrative and environmental performances of the consent holder; and
- reporting to the regional community.

The Council also takes into account the scope of assessments required at the time of renewal of permits, and the need to maintain a sound understanding of industrial processes within Taranaki exercising resource consents.

There are no planned changes for the 2024-2026 monitoring programme.

It should be noted that the proposed programme represents a reasonable and risk-based level of monitoring for the site(s) in question. The Council reserves the right to subsequently adjust the programme from that initially prepared, should the need arise if potential or actual non-compliance is determined at any time during 2024-2026.

11.6.6 Recommendations for 2024-2026

1. THAT the monitoring of Taranaki Trucking Company Ltd's Wiremu Road site in the 2024-2026 period continues at the same level as in 2020-2022 with two inspections per year, one to occur during summer and one during wet weather. Discharge samples are to be collected if warranted.

12. Whitaker Civil Engineering Ltd Quarry 22th Compliance Monitoring Biennial Report 2022-2024

12.1 Introduction

Whitaker Civil Engineering Ltd (the Company) operates a quarry site at Waiwhakaiho Road, approximately 3.5km south east of New Plymouth. The site is located on the true right bank of the Waiwhakaiho River, in the Waiwhakaiho Catchment (Figure 15).

The quarry has washing facilities as well as a dry crusher, screens (Photo 24) and excavators onsite. The quarry footprint totals approximately 11.1ha. Exposed earth areas in the main operational area are contoured and bunded to direct surface runoff to be treated in sediment ponds. The washwater system is circulatory and goes through a multi- settlement pond system before being reused. Reinstatement of excavated areas is carried out using cleanfill. The cleanfill site (Photo 25) and surrounding area is contoured to runoff to a ring drain, which discharges to the Waiwhakaiho River. The consents that the Company holds are due to expire in 2026, these will be renewed. The Company has engaged the services of an environmental consultant to produce a comprehensive rehabilitation plan which will be submitted to the Council upon completion.



Figure 15 Whitaker Civil site location



Photo 24 Whitaker Civil crushing and screening plant in the central area of the site, 30 January 2024



Photo 25 Portion of quarry reinstated using cleanfill, 30 January 2024

12.2 Resource consents

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

Copies of consents are included in Appendix I.

12.3 Compliance monitoring programme

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

12.4 Site inspections

Four compliance monitoring inspections were undertaken at the Waiwhakaiho Road site during the 2022-2024 monitoring period. The site generally appeared to be well managed with no adverse effects noted in the receiving environment during the inspections. Washing and or crushing was noted to have occurred on two out of four occasions. The site was appropriately contoured and bunded to direct stormwater to treatment ponds; washwater used for operations was recirculated in accordance with consent conditions. At the January 2024 inspection, the Council noted that riparian planting along a section of the Waiwhakaiho River adjacent to the process area had not been maintained. The cleanfill contained no prohibited material and was noted to be tidy. Site rehabilitation was well underway.

12.4.1 Chemical sampling

The Council was not required to undertake sampling of both the discharge from the site and the water quality upstream and downstream of the discharge point and mixing zone.

12.5 Incidents, investigations, and interventions

The monitoring programme for the year was based on what was considered to be an appropriate level of monitoring, review of data, and liaison with Whitaker Civil Engineering Ltd. During the year matters may arise which require additional activity by the Council, for example provision of advice and information, or investigation of potential or actual causes of non-compliance or failure to maintain good practices. A proactive approach, that in the first instance avoids issues occurring, is favoured.

For all significant compliance issues, as well as complaints from the public, the Council maintains a database record. The record includes events where the individual/organisation concerned has itself notified the Council. Details of any investigation and corrective action taken are recorded for non-compliant events.

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 individual/organisation is indeed the source of the incident (or that the allegation cannot be proven).

Table 65 below sets out details of any incidents recorded, additional investigations, or interventions required by the Council in relation to the Company's activities during the 2022-2024 period. This table presents details of all events that required further investigation or intervention regardless of whether these were found to be compliant or not.

Table 65 Incidents, investigations, and interventions summary table

Date	Company	Details	Compliant (Y/N)	Enforcement Action Taken?	Outcome
30/01/2024	Whitaker Civil Engineering Ltd	During a scheduled monitoring inspection, it was noted that the riparian planting along a section of the Waiwhakaiho River had not been maintained	N	N	A letter was sent to the Company requesting an explanation. This was supplied to the Council. No further action was deemed necessary.

12.6 Discussion

12.6.1 Discussion of site performance

The site was generally well managed during the monitoring period under review. No adverse effects were noted in the receiving environment as a consequence of the discharge from the site. No sampling was necessary Bunds adjacent to the Waiwhakaiho River were maintained to a good standard and all stormwater and washwater appeared to be appropriately treated. At the January inspection, the Council Officers noted that an area of the riverbank adjacent to the crushing and screening plants had been sprayed off. The Council requested an explanation for the lack of maintenance of the riparian margin as required by condition 5 of Consent 7236-1. The Company promptly responded and explained that high river flows in 2018 had scoured the vegetation in the area and committed to undertake the required restoration work. The Council accepted the explanation, and no enforcement action was pursued. As all three of the consents held by the Company expire in 2026, an Environmental consultant has been engaged to create a site rehabilitation plan which may incorporate a significant quantity of planting as part of the restoration work. Once completed, the plan will be shared with the Council in preparation for the impending expiry of the Company's resource consents in 2026.

The cleanfill site was well managed during the monitoring period under review with no prohibited material observed onsite at the time of inspections. Site rehabilitation has been progressing well to date. The Company raised their concerns regarding the difficulties of using cleanfill to adequately remediate the site given the current waste minimisation rules. The Council is aware of this issue and will work with the Company in relation to achievable requirements for site rehabilitation.

12.6.2 Environmental effects of exercise of consents

The Council monitors for possible effects on stream life by conducting a visual inspection of the discharge from the quarry and streambed both up and downstream of the quarry discharge point. Inspections of the site over the 2022-2024 monitoring period did not detect any adverse effects occurring in the receiving waters.

12.6.3 Evaluation of performance

A tabular summary of the Company's compliance record for the period under review is set out in Table 66 to Table 71.

Table 66 Summary of compliance with Consent 7236-1 over the 2022-2024 monitoring period

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

Table 67 Summary of environmental performance for Consent 7236-1

Year	Consent numbers	High	Good	Improvement req	Poor
2018-2020	7236-1	x			
2020-2022	7236-1	x			
2022-2024	7236-1		x		

During the year, the Company demonstrated a good level of environmental performance and a high level of administrative performance with respect to the resource consent as defined in Appendix II. At the January 2024 inspection, Council officers discovered that a section of riparian vegetation had not been maintained. The Company received a request to provide an explanation which was promptly supplied. A commitment

was made to revegetate the area in the interim. A desk assessment of the contributing stormwater catchment revealed that it had expanded beyond its consented 2ha footprint.

Table 68 Summary of compliance with Consent 0720-4 over the 2022-2024 monitoring period

Purpose: To discharge treated washwater from shingle washing activities onto and into land and into the Waiwhakaiho River		
Condition requirement	Means of monitoring during period under review	Compliance Achieved?
1. Best practicable option to prevent or minimise adverse effects	Site inspections	Yes
2. Exercise consent in accordance with consent application	Site inspections	Yes
3. No direct discharge of untreated stormwater or washwater	Inspections of site and river	Yes
4. Bund and contour the active quarry area so that all water is directed for treatment prior to discharge	Site inspections	Yes
5. Control erosion and minimise sediment contained in the stormwater	Inspections of site and downstream of discharge point	Yes
6. Progressive reinstatement of the quarry to minimise the area of exposed earth	Site inspections	Yes
7. Operate and maintain sediment control structures to maximise the treatment of stormwater and washwater, minimise discharge, and ensure discharge consent compliance	Site inspections	Yes
8. Treated stormwater to comply with chemical limits prior to discharge into receiving waters	Inspection of discharge, no samples taken	Yes
9. Beyond the mixing zone of 25 m, discharge shall not affect the physical characteristics of receiving waters of the Waiwhakaiho River	Inspections of the river	Yes
10. Beyond the mixing zone of 25m, the discharge shall not increase turbidity of the Waiwhakaiho River by more than 50%	Inspections of the river, no samples taken	Yes
11. Lapse clause	Consent exercised	N/A
12. Review Clause	No further review options	N/A
Overall assessment of consent compliance and environmental performance in respect of this consent		High
Overall assessment of administrative performance in respect of this consent		High

Table 69 Summary of environmental performance for Consent 0720-4

Year	Consent numbers	High	Good	Improvement req	Poor
2018-2020	0720-4	x			
2020-2022	0720-4	x			
2022-2024	0720-4	x			

During the monitoring period under review, the Company demonstrated a high level of environmental and administrative performance with respect to their resource consent as defined in Appendix II. All consent conditions were complied with.

Table 70 Summary of compliance with Consent 3900-2 over the 2022-2024 monitoring period

Purpose: To discharge cleanfill onto and into land and to discharge leachate and stormwater from a former quarry landfill onto and into land in the vicinity of the Waiwhakaiho River		
Condition requirement	Means of monitoring during period under review	Compliance Achieved?
1. Exercise consent in accordance with consent application	Site inspections	Yes
2. Only clean-fill and/or inert materials may be discharged	Site inspections	Yes
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	Notification	Yes
5. Notification required prior to discharge of WTP sludge	Notification	Yes
6. Spreading and mixing requirements when discharging WTP sludge	Consent requirements	Yes
7. In cases of uncertainty regarding a contaminant, written approval must be obtained from the Council prior to discharge	Desk assessment	N/A
8. No discharge to occur within 20m 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 discharged material to prevent unwanted contaminants in the cleanfill area	Inspections of site and liaison with consent holder	Yes
11. Discharge shall not affect the physical characteristics of receiving waters of the Waiwhakaiho River	Inspections of site and river	Yes
12. Provision of environmental management plan detailing the reinstatement operation	Management plan received 30 October 2009. New site reinstatement plan to be supplied to Council upon completion	Yes
13. Report to be satisfactory	Approval from Council	Yes
14. Best practicable option to prevent or minimise adverse effects	Site inspections	Yes
15. Site remediation requirement	Site inspections – some remediation has started	Yes
16. Lapse clause	Consent exercised	N/A
17. Review clause	No further review options	N/A
Overall assessment of consent compliance and environmental performance in respect of this consent		High
Overall assessment of administrative performance in respect of this consent		High

Table 71 Environmental summary for Consent 3900-2

Year	Consent numbers	High	Good	Improvement req	Poor
2018-2020	3900-2	x			
2020-2022	3900-2	x			
2022-2024	3900-2	x			

During the monitoring period under review, the Company demonstrated a high level of environmental and administrative performance with respect to their resource consent as defined in Appendix II. All consent conditions were complied with.

12.6.4 Recommendations from the 2020-2022 Biennial Report

In the 2020-2022 Biennial Report, it was recommended:

1. THAT monitoring of Whitaker Civil Engineering Quarry's Waiwhakaiho Road site in the period continues at the same level as in 2020-2022 with two inspections per year, one to occur during summer and one during wet weather. Discharge samples are to be collected if warranted.

Recommendation 1 was implemented.

12.6.5 Alterations to monitoring programmes for 2024-2026

In designing and implementing the monitoring programmes for air/water discharges in the region, the Council has taken into account:

- the extent of information already made available through monitoring or other means to date;
- its relevance under the RMA;
- the Council's obligations to monitor consented activities and their effects under the RMA;
- the record of administrative and environmental performances of the consent holder; and
- reporting to the regional community.

The Council also takes into account the scope of assessments required at the time of renewal of permits, and the need to maintain a sound understanding of industrial processes within Taranaki exercising resource consents.

There are no planned changes for 2024-2026 monitoring programme.

It should be noted that the proposed programme represents a reasonable and risk-based level of monitoring for the site(s) in question. The Council reserves the right to subsequently adjust the programme from that initially prepared, should the need arise if potential or actual non-compliance is determined at any time during 2024-2026.

12.6.6 Recommendations for 2024-2026

1. THAT the monitoring of Whitaker Civil Engineering Quarry's Waiwhakaiho Road site in the 2024-2026 period continues at the same level as in 2020-2022 with two inspections per year, one to occur during summer and one during wet weather. Discharge samples are to be collected if warranted.
2. THAT the Company submits the site rehabilitation plan to the Council as soon as possible.

13. Wiremu Road Quarry Ltd 25th Compliance Monitoring Biennial Report 2022-2024

13.1 Introduction

Wiremu Road Quarry Ltd's quarry site is located on Wiremu Road between two unnamed tributaries of the Manganui Stream in the Oaonui Catchment (Figure 16). During the 2017/18 monitoring period, there was a change to the site management structure, Winstone Aggregates Ltd still hold the consents and remain part-owners of the site.

The quarry site is bisected by Wiremu Road into two main areas, an upper and lower site. Bunding and contouring is used to isolate stormwater generated within the active sites from the surrounding land and to direct stormwater and washwater to a large (former) excavation pit for recirculation in the upper site (Photo 26). Recirculation minimises the volume of water abstracted for washing and discharge. Excess water is pumped from here to a series of settlement ponds (Photo 27) in the lower site before discharging to the unnamed tributary of the Manganui Stream. The area of raupō to the left of the upper site is no longer used to treat any water from the site. Water used in wash plants on either side of the road is recirculated to prevent sediment laden washwater from discharging to surface water.

At the time of report writing, the site was being prepared for closure. It was unclear whether the consents would be surrendered with immediate effect following a final inspection.



Figure 16 Wiremu Road Quarry Ltd quarry site



Photo 26 Settlement pond, upper site

Note: The Abstraction pump is visible in the foreground, 13 May 2024



Photo 27 Large settlement pond in the lower site

Note: This is used as part of the treatment train for washwater and stormwater, 24 January 2024

13.2 Resource consents

Consent number	Purpose	Granted	Review	Expires
10583-1	To take water from two reservoirs for aggregate washing purposes	15 May 2018	June 2027	1 June 2036
1509-4	To discharge treated stormwater and washwater from quarrying operations into an unnamed tributary of the Manganui Stream	15 May 2018	June 2030	1 June 2036

Copies of consents are included in Appendix I.

13.3 Compliance monitoring programme

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

13.4 Site inspections

Four compliance monitoring inspections were undertaken at the Wiremu Road quarry during the 2022-2024 monitoring period. On all occasions the site appeared to be well managed and was compliant with consent conditions. The site was contoured and bunded to direct stormwater to appropriate treatment ponds. The washwater was being recirculated to comply the requirements of Consent 1509-4.0. Sampling was not undertaken as there was no evidence of adverse effects of the discharge in the receiving environment. Abstraction data was supplied to the Council and was found to be compliant with the limits specified in the consent conditions. At the January 2024 inspection, the inspecting officers noted that a small amount of landfill waste had been discharged to an excavation area. This was raised with the site manager and the material was promptly removed.

13.4.1 Chemical sampling

During the monitoring period under review, the Council was not required to undertake sampling of the discharge from the site and the water quality upstream and downstream of the discharge point and mixing zone.

13.5 Results

13.5.1 Water

13.5.1.1 Results of abstraction and discharge monitoring

The results of the abstraction monitoring for the 2022-2023 and 2023-2024 monitoring years are displayed in Figure 17 to Figure 20.

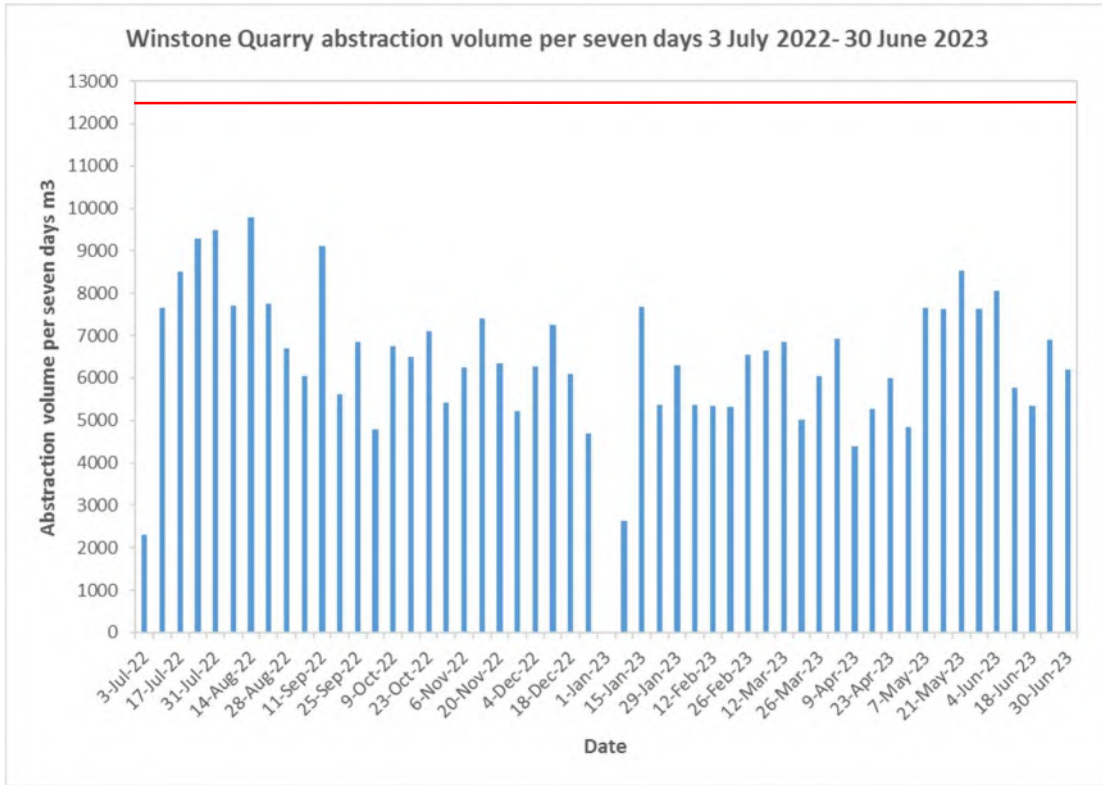


Figure 17 Abstraction volume over seven days 2022/23

Note: The red line denotes the 12600m3 limit over seven days

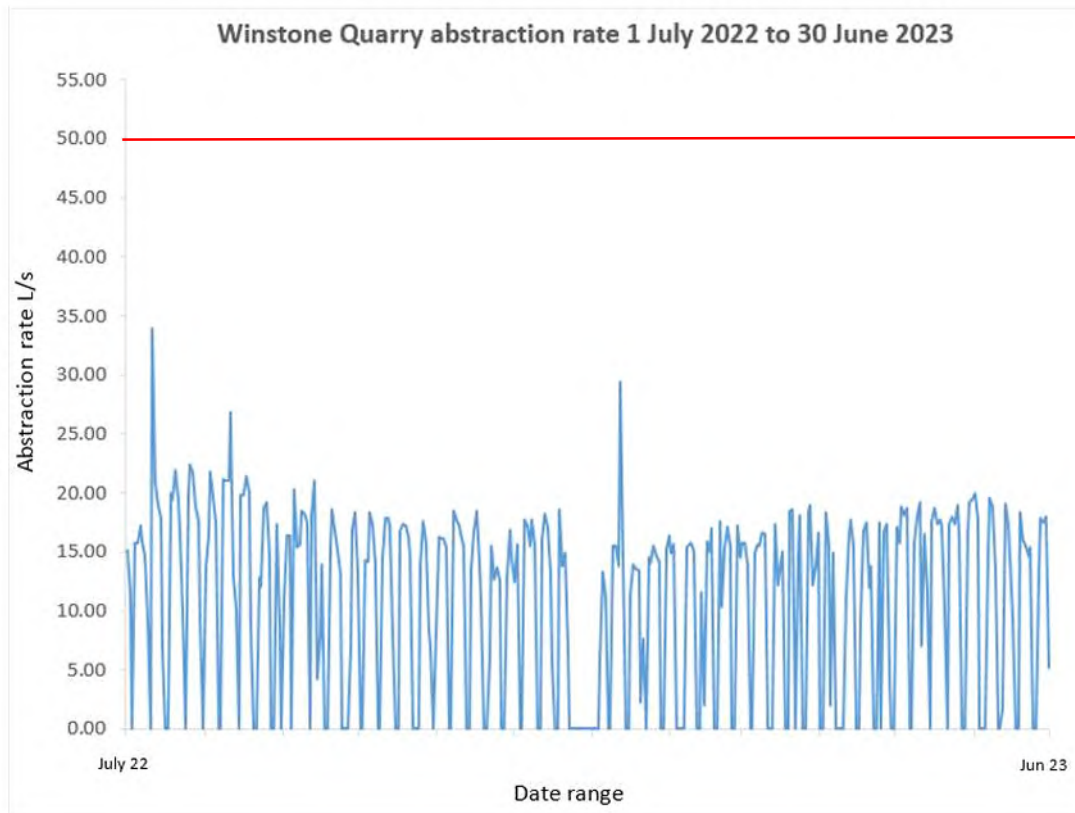


Figure 18 Abstraction rate 2022/23

Note: The red line denotes the 50L/s abstraction limit

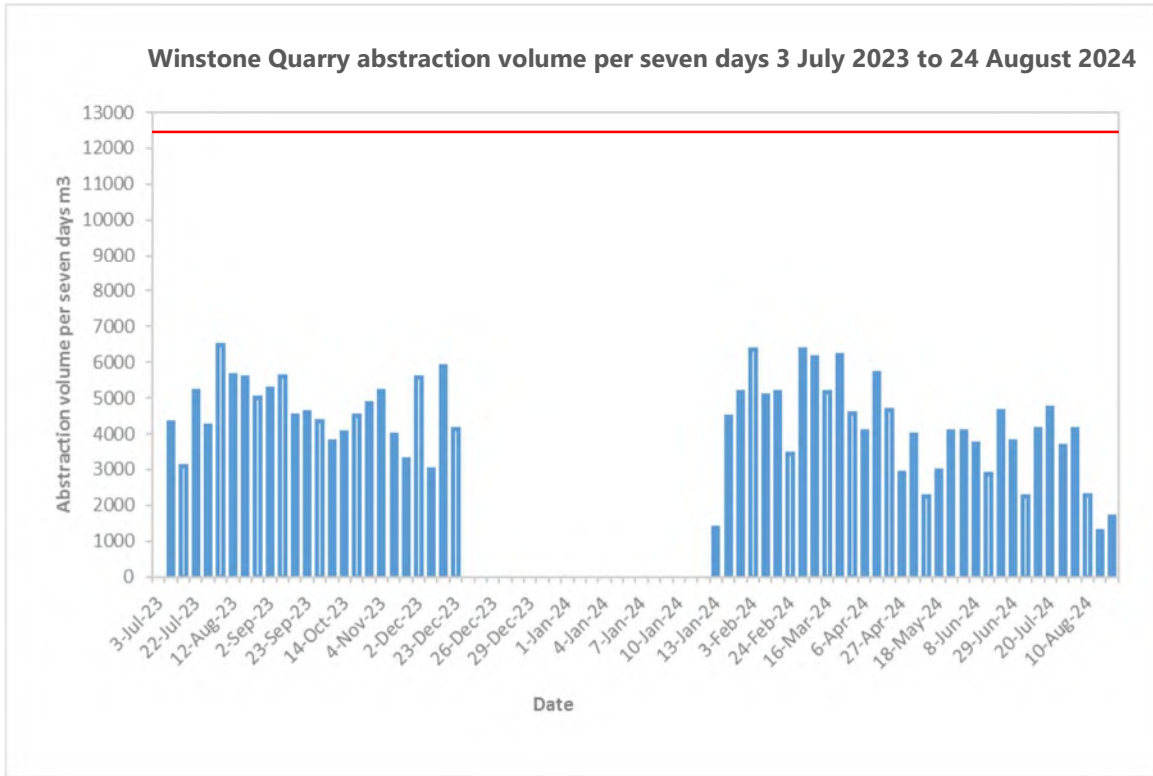


Figure 19 Abstraction volume 2023/24.

Note: The red line denotes the 12600m³ limit over seven days.

Note: No abstraction was recorded between the end of December 2023 to the middle of January 2024

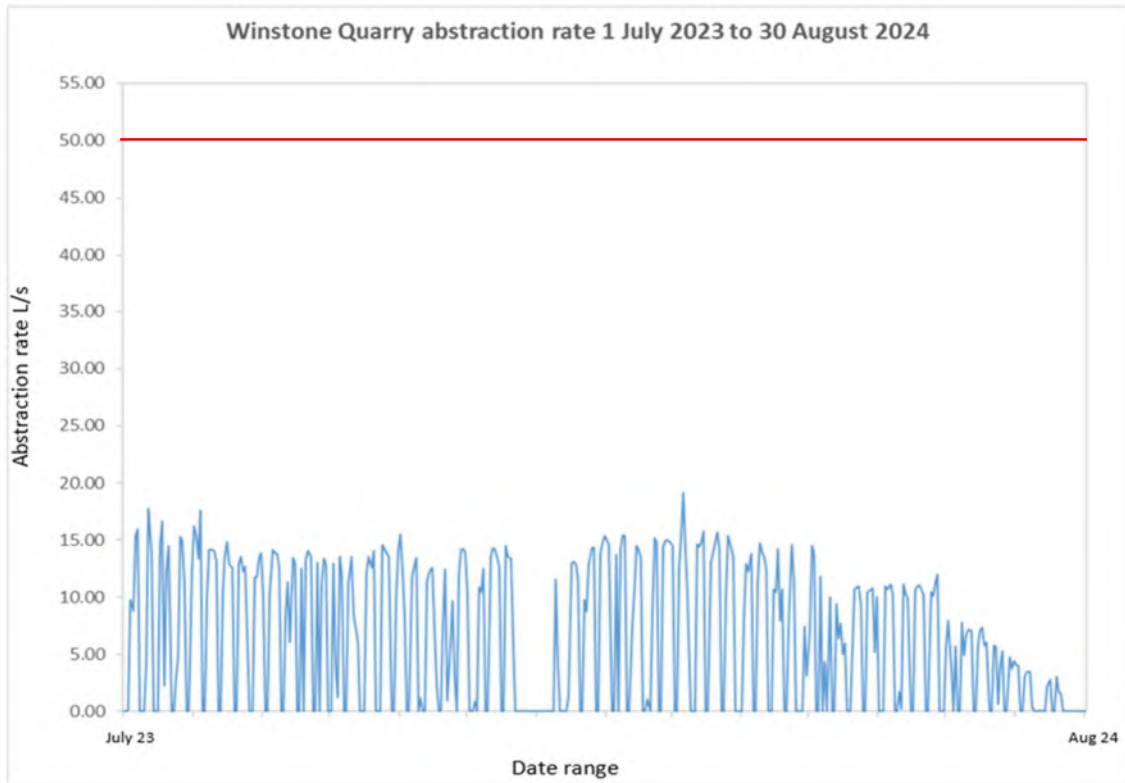


Figure 20 Abstraction rate 2023/24

Note: The red line denotes the 50L/s abstraction limit

13.6 Incidents, investigations, and interventions

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

For all significant compliance issues, as well as complaints from the public, the Council maintains a database record. The record includes events where the individual/organisation concerned has itself notified the Council. Details of any investigation and corrective action taken are recorded for non-compliant events.

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 individual/organisation is indeed the source of the incident (or that the allegation cannot be proven).

In the 2022-2024 period, the Council was not required to undertake significant additional investigations and interventions, or record incidents, in association with the Company's conditions in resource consents or provisions in Regional Plans.

13.7 Discussion

13.7.1 Discussion of site performance

The site was well managed during the monitoring period under review. Appropriate contouring and bunding directed stormwater and washwater to settlement ponds for treatment. No adverse effects were noted in the receiving environment, therefore no sampling was deemed necessary. On one occasion, inspecting officers noted that some rubbish had been discharged to a former excavation pit. This was raised with the site manager and promptly removed. The abstraction data supplied for the 2022/23 and 2023/24 monitoring years demonstrated that the site was compliant with consented abstraction limits.

The Company is unable to extend its excavation northwards towards the mountain. For this reason, the site is undergoing preparation for closure. This involves the removal of washplants, the abstraction pump and all machinery. Site rehabilitation is currently underway. At the time of report writing, it is unclear whether the consents will be retained or surrendered as they expire in 2036. In the event that they are retained, Council inspections will continue until such a time as the Company pursues consent surrender.

13.7.2 Environmental effects of exercise of consents

The Council monitors for possible effects on stream life by conducting a visual inspection of the discharge from the quarry and streambed both up and downstream of the quarry discharge point. Inspections of the site over the 2022-2024 monitoring period did not detect any adverse effects in the receiving waters.

13.7.3 Evaluation of performance

A tabular summary of the compliance record for the site over the period under review is set out in Table 72 to Table 75.

Table 72 Summary of conditions for Consent 10583-1 over the 2022-2024 monitoring period

Purpose: To take water from two reservoirs for aggregate washing purposes		
Condition requirement	Means of monitoring during period under review	Compliance Achieved?
1. Restricts abstraction volumes to 50L/s and 12,600m ³ per 7 days	Site inspections and data review	Yes
2. Requires installation and maintenance of a water meter and dataloggers with record keeping	Site inspections	Yes
3. Water meters must be verified	Documentation received	Yes
4. Requires the repair and maintenance of equipment	Site inspections	Yes
5. Water meter must be accessible	Site inspections	Yes
6. Records of abstraction rate submitted	Notification received	Yes
7. Adopt best practicable option	Site inspections	Yes
8. Review of consent	Optional review date June 2027	N/A
Overall assessment of consent compliance and environmental performance in respect of this consent		High
Overall assessment of administrative performance in respect of this consent		High

Table 73 Summary of environmental performance for Consent 10583-1

Year	Consent numbers	High	Good	Improvement req	Poor
2018-2020	10583-1	x			
2020-2022	10583-1	x			
2022-2024	10583-1	x			

During the monitoring period under review, the Company demonstrated a high level of environmental and administrative performance with respect to their consent as defined in Appendix II. All consent conditions were complied with.

Table 74 Summary of compliance with Consent 1509-4 over the 2022-2024 monitoring period

Purpose: To discharge treated stormwater and washwater from quarrying operations into an unnamed tributary of the Manganui Stream		
Condition requirement	Means of monitoring during period under review	Compliance Achieved?
1. Best practicable option to prevent or minimise adverse effects	Site inspections	Yes
2. Quarry catchment limited to 40ha	Site inspections	Yes
3. No direct discharge of untreated stormwater or washwater	Site inspections	Yes
4. Any significant changes must first be approved by Council	Site inspections & notification	N/A
5. Bund and contour the washing area	Site inspections	Yes
6. Implement appropriate recirculation systems	Site inspections	Yes
7. Bund and contour the active quarry area so that stormwater is directed for treatment prior to discharge	Site inspections	Yes

Purpose: To discharge treated stormwater and washwater from quarrying operations into an unnamed tributary of the Manganui Stream		
Condition requirement	Means of monitoring during period under review	Compliance Achieved?
8. Control erosion and minimise silt and sediment in the stormwater	Inspections of site and downstream of discharge point	Yes
9. Progressive reinstatement of the quarry to minimise stormwater catchment and exposed earth areas	Site inspections	Yes
10. Operate and maintain silt control structures to maximise the treatment of stormwater, and minimise duration and frequency of discharge	Site inspections	Yes
11. Treated stormwater to comply with chemical limits prior to discharge into receiving waters	Sample collection	Yes
12. Beyond the mixing zone of 25m, discharge shall not affect the physical characteristics of receiving waters	Inspections of the river	Yes
13. Maintenance of site contingency plan	Contingency plan reviewed 2024	Yes
14. Review clause	Optional review date June 2030	N/A
Overall assessment of consent compliance and environmental performance in respect of this consent		High
Overall assessment of administrative performance in respect of this consent		High

Table 75 Summary of environmental performance for Consent 1509-4

Year	Consent numbers	High	Good	Improvement req	Poor
2018-2020	1509-4	x			
2020-2022	1509-4	x			
2022-2024	1509-4	x			

During the monitoring period under review, the Company demonstrated a high level of environmental and administrative performance with respect to their consent as defined in Appendix II. All consent conditions were complied with.

13.7.4 Recommendations from the 2020-2022 Biennial Report

In the 2020-2022 Biennial Report, it was recommended:

1. THAT monitoring of Wiremu Road Quarry Ltd's site in the 2022-2024 period continues at the same level as in 2020-2022 with two inspections per year, one to occur during summer and one during wet weather. Discharge samples are to be collected if warranted.

Recommendation 1 was implemented during the 2022-2024 monitoring period.

13.7.5 Alterations to monitoring programmes for 2024-2026

In designing and implementing the monitoring programmes for air/water discharges in the region, the Council has taken into account:

- the extent of information already made available through monitoring or other means to date;
- its relevance under the RMA;
- the Council's obligations to monitor consented activities and their effects under the RMA;
- the record of administrative and environmental performances of the consent holder; and

- reporting to the regional community.

The Council also takes into account the scope of assessments required at the time of renewal of permits, and the need to maintain a sound understanding of industrial processes within Taranaki exercising resource consents.

Once the Council has been notified of the Company's plans in relation to retaining their consents or surrendering them, the Council will either continue to inspect the site, or will conduct a final site inspection to approve consent surrender.

It should be noted that the proposed programme represents a reasonable and risk-based level of monitoring for the site(s) in question. The Council reserves the right to subsequently adjust the programme from that initially prepared, should the need arise if potential or actual non-compliance is determined at any time during 2024-2026.

13.7.6 Recommendations

1. THAT if the consents are retained, monitoring of Wiremu Road Quarry Ltd's site in the 2024-2026 period will continue at an appropriate level.
2. THAT if the Company wishes to surrender their consents, a final inspection will occur prior to approval.

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. In the case of a quarry, this refers to built up walls around the perimeter of the stormwater catchment.
Conductivity	Conductivity, an indication of the level of dissolved salts in a sample, usually measured at 25°C and expressed in $\mu\text{S}/\text{m}$.
Fresh	Elevated flow in a stream, such as after heavy rainfall.
g/m^3	Grams per cubic metre, and equivalent to milligrams per litre (mg/L). In water, this is also equivalent to parts per million (ppm), but the same does not apply to gaseous mixtures.
Incident	An event that is alleged or is found to have occurred that may have actual or potential environmental consequences or may involve non-compliance with a consent or rule in a regional plan. Registration of an incident by the Council does not automatically mean such an outcome had actually occurred.
Intervention	Action/s taken by Council to instruct or direct actions be taken to avoid or reduce the likelihood of an incident occurring.
Investigation	Action taken by Council to establish what were the circumstances/events surrounding an incident including any allegations of an incident.
Incident Register	The Incident Register contains a list of events recorded by the Council on the basis that they may have the potential or actual environmental consequences that may represent a breach of a consent or provision in a Regional Plan.
L/s	Litres per second.
MCI	Macroinvertebrate community index; a numerical indication of the state of biological life in a stream that takes into account the sensitivity of the taxa present to organic pollution in stony habitats.
$\mu\text{S}/\text{cm}$	Microsiemens per centimetre.
Mixing zone	The zone below a discharge point where the discharge is not fully mixed with the receiving environment. For a stream, conventionally taken as a length equivalent to 7 times the width of the stream at the discharge point.
FNU	Formazin Nephelometric Units, a measure of the turbidity of water.
O&G	Oil and grease, defined as anything that will dissolve into a particular organic solvent (e.g. hexane). May include both animal material (fats) and mineral matter (hydrocarbons).
pH	A numerical system for measuring acidity in solutions, with 7 as neutral. Numbers lower than 7 are increasingly acidic and higher than 7 are increasingly alkaline. The scale is logarithmic i.e. a change of 1 represents a ten-fold change in strength. For example, a pH of 4 is ten times more acidic than a pH of 5.
Physicochemical	Measurement of both physical properties (e.g. temperature, clarity, density) and chemical determinants (e.g. metals and nutrients) to characterise the state of an environment.

Resource consent	Refer Section 87 of the RMA. Resource consents include land use consents (refer Sections 9 and 13 of the RMA), coastal permits (Sections 12, 14 and 15), water permits (Section 14) and discharge permits (Section 15).
RMA	<i>Resource Management Act</i> 1991 and including all subsequent amendments.
SS	Suspended solids.
Temp	Temperature, measured in °C (degrees Celsius).
Turb	Turbidity, expressed in NTU.

For further information on analytical methods, contact a manager within the Environment Quality Department.

Bibliography and references

Taranaki Regional Council (2021): *Regional Fresh Water Plan for Taranaki*. TRC Report.

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

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

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

Appendix I

Resource consents held by the Northern quarries

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

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. Permits authorising the abstraction of water are issued by the Council under Section 87(d) of the RMA.

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. Permits authorising discharges to water are issued by the Council under Section 87(e) of the RMA.

Air discharge permits

Section 15(1)(c) of the RMA stipulates that no person may discharge any contaminant from any industrial or trade premises into air, unless the activity is expressly allowed for by a resource consent, a rule in a regional plan, or by national regulations. Permits authorising discharges to air are issued by the Council under Section 87(e) of the RMA.

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. Permits authorising the discharge of wastes to land are issued by the Council under Section 87(e) of the RMA.

Land use permits

Section 13(1)(a) of the RMA stipulates that no person may in relation to the bed of any lake or river use, erect, reconstruct, place, alter, extend, remove, or demolish any structure or part of any structure in, on, under, or over the bed, unless the activity is expressly allowed for by a resource consent, a rule in a regional plan, or by national regulations. Land use permits are issued by the Council under Section 87(a) of the RMA.

Coastal permits

Section 12(1)(b) of the RMA stipulates that no person may erect, reconstruct, place, alter, extend, remove, or demolish any structure that is fixed in, on, under, or over any foreshore or seabed, unless the activity is expressly allowed for by a resource consent, a rule in a regional plan, or by national regulations. Coastal permits are issued by the Council under Section 87(c) of the RMA.

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
PO Box 17195
Greenlane
Auckland 1546

Decision Date: 15 May 2018

Commencement Date: 15 May 2018

Conditions of Consent

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

Expiry Date: 1 June 2036

Review Date(s): June 2024, June 2030

Site Location: 1167 Wiremu Road, Opunake

Grid Reference (NZTM) 1678321E-5642563N

Catchment: Oaonui

Tributary: Manganui

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

General condition

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

Special conditions

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

Consent 1509-4.0

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

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

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

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

Signed at Stratford on 15 May 2018

For and on behalf of
Taranaki Regional Council

A D McLay
Director - Resource Management

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

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

Decision Date: 30 November 2012

Commencement
Date: 30 November 2012

Conditions of Consent

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

Expiry Date: 1 June 2030

Review Date(s): June 2018, June 2024

Site Location: 1017 Wiremu Road, Opunake

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

Catchment: Heimama

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

General condition

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

Special conditions

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

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

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

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

Consent 2184-3

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

Signed at Stratford on 30 November 2012

For and on behalf of
Taranaki Regional Council

Director-Resource Management

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

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

Decision Date
(Change): 16 November 2017

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

Conditions of Consent

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

Expiry Date: 1 June 2030

Review Date(s): June 2018, June 2024

Site Location: 1017 Wiremu Road, Opunake

Grid Reference (NZTM) 1679110E-5641630N

Catchment: Heimama

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

General condition

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

Special conditions

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

Signed at Stratford on 16 November 2017

For and on behalf of
Taranaki Regional Council

A D McLay
Director - Resource Management

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

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

Decision Date: 24 October 2014

Commencement Date: 24 October 2014

Conditions of Consent

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

Expiry Date: 1 June 2032

Review Date(s): June 2020, June 2026

Site Location: 51 Hydro Road, New Plymouth

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

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

Catchment: Waiwhakaiho

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

General condition

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

Special conditions

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

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

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

Consent 3912-4.0

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

Transferred at Stratford on 10 February 2015

For and on behalf of
Taranaki Regional Council

A D McLay
Director - Resource Management

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

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

Decision Date: 21 February 2008

Commencement Date: 21 February 2008

Conditions of Consent

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

Expiry Date: 1 June 2026

Review Date(s): June 2020

Site Location: Hydro Road, New Plymouth

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

Grid Reference (NZTM) 1698060E-5671340N

Catchment: Waiwhakaiho

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

General conditions

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

Special conditions

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

Consent 4912-2

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

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

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

Transferred at Stratford on 10 February 2015

For and on behalf of
Taranaki Regional Council

A D McLay
Director - Resource Management

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

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

Decision Date
(Change): 14 October 2019

Commencement Date
(Change): 14 October 2019 (Granted Date: 4 September 2015)

Conditions of Consent

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

Expiry Date: 1 June 2033

Review Date(s): June 2021, June 2027

Site Location: 1320 Mokau Road, Uruti

Grid Reference (NZTM) 1730756E-5685498N
1730617E-5685753N
1730781E-5685430N
1730700E-5685380N
1730416E-5685829N

Catchment: Mimi

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

General condition

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

Special conditions

1. This consent authorises the discharge of treated stormwater into an unnamed tributary of the Mimi River and dam, as described in the information provided with the original and subsequent applications. In the case of any contradiction between the details of information provided and the conditions of this consent, the conditions of this consent shall prevail.
2. The discharge of stormwater through the site into the unnamed tributary of the Mimi River and the dam shall be managed in accordance with the:
 - a) *Stormwater Management Plan* for the Upper Quarry Site; and
 - b) *Stormwater and Washwater Management Plan* for the Lower Quarry Site.

The implementation of these plans shall be completed by 1 December 2015 and shall be updated throughout the life of the quarry operation to ensure that stormwater is adequately managed and treated prior to the discharge into the receiving environment.

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

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

A Stormwater Management Plan template is available in the Environment section of the Taranaki Regional Council's web site www.trc.govt.nz.

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

Consent 5124-2.1

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

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

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

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

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

Consent 5124-2.1

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

Signed at Stratford on 14 October 2019

For and on behalf of
Taranaki Regional Council

A D McLay
Director - Resource Management

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

Name of
Consent Holder: 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 of 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: Jones Quarry Uruti Stone Limited

Decision Date: 13 August 2021

Commencement Date: 13 August 2021

Conditions of Consent

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

Expiry Date: 1 June 2039

Review Date(s): June 2027, June 2033

Site Location: 1320 Main North Road, Mimi

Grid Reference (NZTM) 1730704E–5685487N

Catchment: Mimi

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

General condition

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

Special conditions

1. The exercise of this consent shall be undertaken generally in accordance with the documentation submitted in support of the application. Where there is conflict between the application and consent conditions the conditions shall prevail.
2. The discharge of treated washwater shall be managed in accordance with the '*Stormwater and Washwater Management Plan*' for the lower quarry site to ensure that washwater is adequately managed and treated prior to the discharge into the receiving environment.

The plan shall detail how the silt control structures will be effectively operated and maintained in such a manner that the discharge complies with the condition of the consent, and shall include as minimum:

- a) management of the interceptor system, including the cleaning out of sand trap and sediment retention ponds;
 - b) stockpiling and/or disposal of quarried and cleaned out material;
 - c) stabilisation of stockpiled cleaned-out material; and
 - d) general maintenance of the sediment control measures.
3. There shall be no direct discharge of untreated washwater from the site into the unnamed tributary of the Mimi River or the dam as a result of the exercise of this consent.
 4. Constituents of the discharge shall meet the standards shown in the following table.

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

This condition shall apply before entry of the treated water into the receiving waters of the unnamed tributary of the Mimi River, at the discharge point identified in Appendix 1.

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

Consent 6272-2.0

6. After allowing for reasonable mixing, within a mixing zone extending 25 metres downstream of the discharge point, the discharge shall not give rise to any of the following effects in the receiving waters:
 - a) an increase in the suspended solids concentration in the unnamed tributary of the Mimi River exceeding 10 gm⁻³ when the turbidity as measured immediately upstream of the dam is equal to or less than 5 FNU (Formazin Nephelometric Units); or
 - b) an increase in the turbidity in the unnamed tributary of the Mimi River of more than 50%, where the stream turbidity measured upstream of the dam is greater than 5 FNU, as determined using FNU (Formazin Nephelometric Units).
7. Within 60 days of the commencement of this consent the consent holder shall submit a 'Contingency Plan' that details measures and procedures that will be undertaken to prevent, and to avoid environmental effects from a spillage or any discharge of contaminants not authorised by this consent. The plan and any amended versions shall be provided to the Chief Executive of the Taranaki Regional Council.
8. The total volume of the third and subsequent sediment retention ponds shall be no less than 2,825 m³, and they shall be cleaned out before the volume of sediment accumulated in them, reaches 20 per cent of the total.
9. 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 of the discharge on the environment.
10. 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. Unless the Chief Executive advises that an alternative method is required this notice shall be served by completing and submitting the 'Notification of work' form on the Council's website (<http://bit.ly/TRCWorkNotificationForm>).
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 2027 and/or June 2033, 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 13 August 2021

For and on behalf of
Taranaki Regional Council

A D McLay
Director - Resource Management

Appendix 1: Lower quarry processing site and discharge point



5 pond system that leads to water holding pond 6
Water is pumped from pond 2 to open drain then into pond 3 4 5 6.

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 11 March 2021

Commencement Date 11 March 2021

Conditions of Consent

Consent Granted: To discharge treated stormwater and treated washwater from quarrying and rock crushing operations onto and into land and into an unnamed tributary of the Mangaoraka Stream

Expiry Date: 1 June 2038

Review Date(s): June 2026, June 2032

Site Location: 29 Mahoetahi Road, Waitara

Grid Reference (NZTM) 1703090E-5681360N

Catchment: Waiongana

Tributary: Mangaoraka

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

General condition

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

Special conditions

1. The 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.
2. The stormwater discharged shall be from a catchment area not exceeding 3 ha.
3. Unless alternative sediment control measures that achieve an equivalent standard are agreed to by the Chief Executive of the Taranaki Regional Council, all run off from any area of exposed soil shall pass through sediment retention ponds as described below.
 - a) On sites with slopes less than 10 percent and less than 200 metres in length a sediment retention pond with a minimum volume of 2 per cent of the contributing catchment (200 m³ capacity for each ha of contributing catchment).
 - b) On sites with slopes greater than 10 per cent and/or more than 200 metres in length a sediment retention pond with a minimum volume of 3 per cent of the contributing catchment (300 m³ capacity for each ha of contributing catchment).
4. 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 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.
6. Constituents of the discharge shall meet the standards shown in the following table.

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

These standards shall apply before entry of the treated stormwater and washwater into the receiving waters of the unnamed tributary of the Mangaoraka Stream, at a designated sampling point approved by the Chief Executive, Taranaki Regional Council.

Consent 6274-2.0

7. After allowing for reasonable mixing, within a mixing zone extending 25 metres downstream of the discharge point, the discharge shall not give rise to any of the following effects in the receiving waters of the unnamed tributary of the Mangaoraka Stream:
 - a) the production of any conspicuous oil or grease films, scums or foams, or floatable or suspended material;
 - b) any conspicuous change in the colour or visual clarity;
 - c) any emission of objectionable odour;
 - d) the rendering of fresh water unsuitable for consumption by farm animals;
 - e) any significant adverse effects on aquatic life.
8. After allowing for reasonable mixing, within a mixing zone extending 50 metres downstream of the confluence with the unnamed tributary, the discharge shall not give rise to an increase in turbidity of greater than 50% [in terms of FNU (formazin nephelometric units)] in the Mangaoraka Stream.
9. The consent holder shall notify the Chief Executive, Taranaki Regional Council, prior to making any changes to the processes or operations undertaken at the site 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. Unless the Chief Executive advises that an alternative method is required this notice shall be served by completing and submitting the 'Notification of work' form on the Council's website (<http://bit.ly/TRCWorkNotificationForm>).
10. In accordance with section 128 and section 129 of the Resource Management Act 1991, the Taranaki Regional Council may serve notice of its intention to review, amend, delete or add to the conditions of this resource consent by giving notice of review during the month of June 2026 and/or June 2032, 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 11 March 2021

For and on behalf of
Taranaki Regional Council



A D McLay
Director - Resource Management

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

Name of
Consent Holder: Ferndene Group Limited
 PO Box 86
 Inglewood 4347

Decision Date 19 October 2020

Commencement Date 19 October 2020

Conditions of Consent

Consent Granted: To discharge treated stormwater from quarrying and rock
 crushing operations onto and into land and into an unnamed
 tributary of the Mangaoraka Stream

Expiry Date: 1 June 2038

Review Date(s): June 2022 and at 2-yearly intervals thereafter

Site Location: 1059 Upland Road, Tarurutangi

Grid Reference (NZTM) 1700374E-5665569N

Catchment: Waiongana

Tributary: Mangaoraka

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

General condition

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

Special conditions

1. The 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 stormwater discharged shall be from a catchment area not exceeding 6 ha. The maximum disturbed stormwater catchment area (active quarry) shall be no more than one hectare at any one time.
3. There shall be no direct discharge of untreated stormwater or groundwater from the quarry into the unnamed tributary of the Mangaoraka Stream, as a result of the exercise of this consent.
4. 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.
5. 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
oil and grease	Concentration not greater than 15 gm ⁻³

These standards shall apply before entry of the treated stormwater and washwater into the receiving waters of the unnamed tributary of the Mangaoraka Stream, at a designated sampling point approved by the Chief Executive, Taranaki Regional Council.

6. The discharge shall not cause erosion of the bed or banks of the unnamed tributary of the Mangaoraka Stream.

Consent 6453-2.0

7. After allowing for reasonable mixing, within a mixing zone extending 25 metres downstream of the discharge point, the discharge shall not give rise to any of the following effects in the receiving waters of the unnamed tributary of the Mangaoraka Stream:
 - a) the production of any conspicuous oil or grease films, scums or foams, or floatable or suspended material;
 - b) any conspicuous change in the colour or visual clarity;
 - c) any emission of objectionable odour;
 - d) the rendering of fresh water unsuitable for consumption by farm animals;
 - e) any significant adverse effects on aquatic life.
8. After allowing for reasonable mixing, within a mixing zone extending 25 metres downstream of the discharge point in the unnamed tributary of the Mangaoraka Stream, the discharge shall not give rise to either of the following effects in the receiving waters of the unnamed tributary of the Mangaoraka Stream:
 - a) an increase in suspended solids concentration in excess of 10 gm^{-3} when the stream turbidity as measured immediately upstream of the first discharge point in the unnamed tributary of Mangaoraka Stream is equal to or less than 5 FTU (Formazin turbidity units); or
 - b) an increase in turbidity of more than 50% when the stream turbidity as measured immediately upstream of the first discharge point (Area A) in the unnamed tributary of the Mangaoraka Stream is greater than 5 FTU (Formazin turbidity units).
9. The site shall be operated in accordance with a 'Stormwater Management Plan' (SMP) approved by the Chief Executive, Taranaki Regional Council, acting in a certification capacity. The SMP shall detail how the site is managed to achieve compliance with the conditions of this consent and shall include, as a minimum, details of:
 - a) the treatment of stormwater, washwater and groundwater, including the pond configuration;
 - b) management/recycling of washwater on site;
 - c) management of the pond treatment systems; and
 - d) maintenance programme for the treatment system.
10. The applicant shall provide an updated quarry plan every 5 years, beginning 1 June 2025, which outlines the planned reinstatement of the active quarry and the planned footprint, including depth of the active quarry for the following 5 year time period.
11. The consent holder shall notify the Chief Executive, Taranaki Regional Council, prior to making any changes to the processes or operations undertaken at the site 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. Unless the Chief Executive advises that an alternative method is required this notice shall be served by completing and submitting the 'Notification of work' form on the Council's website (<http://bit.ly/TRCWorkNotificationForm>).

Consent 6453-2.0

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 2022 and at 2-yearly intervals thereafter, 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 October 2020

For and on behalf of
Taranaki Regional Council

A D McLay
Director - Resource Management

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

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

Decision Date 14 February 2020

Commencement Date 14 February 2020

Conditions of Consent

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

Expiry Date: 1 June 2037

Review Date(s): June 2025, June 2031

Site Location: 477 Kahui Road, Rahotu

Grid Reference (NZTM) 1673641E-5646957N

Catchment: Pungaereere

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

General condition

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

Special conditions

1. The stormwater discharged shall be from an active quarry site not exceeding 1.5 ha.
2. Unless alternative sediment control measures that achieve an equivalent standard are agreed to by the Chief Executive of the Taranaki Regional Council, all run off from any area of exposed soil shall pass through sediment retention ponds as described below.
 - a) On sites with slopes less than 10 percent and less than 200 metres in length a sediment retention pond with a minimum volume of 2 per cent of the contributing catchment (200 m³ capacity for each ha of contributing catchment).
 - b) On sites with slopes greater than 10 per cent and/or more than 200 metres in length a sediment retention pond with a minimum volume of 3 per cent of the contributing catchment (300 m³ capacity for each ha of contributing catchment).
3. The consent holder shall at all times adopt the best practicable option, as defined in section 2 of the Resource Management Act 1991, to prevent or minimise any actual or likely adverse effect on the environment associated with the discharge of contaminants from the site.
4. The area of the quarry site that is unvegetated shall be contoured and bunded so that all water in this area is directed to the stormwater treatment system prior to discharge.
5. The consent holder shall maintain a stormwater management plan that documents how the site is to be managed to minimise the contaminants that become entrained in the stormwater. This plan shall be followed at all times, shall be certified by the Chief Executive, Taranaki Regional Council, and shall include but not necessarily be limited to:
 - a) the loading and unloading of materials;
 - b) general housekeeping; and
 - c) management of the treatment system.
6. The consent holder shall notify the Chief Executive, Taranaki Regional Council, prior to making any changes to the processes or operations undertaken at the site that could alter the nature of the discharge. Any such change shall then only occur following receipt of any necessary approval under the Resource Management Act 1991. Notification shall include the consent number, a brief description of the activity consented and an assessment of the environmental effects of any changes, and be emailed to consents@trc.govt.nz.

Consent 6585-2.0

7. In accordance with section 128 and section 129 of the Resource Management Act 1991, the Taranaki Regional Council may serve notice of its intention to review, amend, delete or add to the conditions of this resource consent by giving notice of review during the month of June 2025 and/or June 2031, for the purpose of ensuring that the conditions are adequate to deal with any adverse effects on the environment arising from the exercise of this resource consent, which were either not foreseen at the time the application was considered or which it was not appropriate to deal with at the time.

Signed at Stratford on 14 February 2020

For and on behalf of
Taranaki Regional Council

A D McLay
Director - Resource Management

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

Name of Consent Holder: Ferndene Group Limited

Decision Date (Change): 29 April 2022

Commencement Date (Change): 29 April 2022 (Granted Date: 21 January 2020)

Conditions of Consent

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

Expiry Date: 1 June 2026

Site Location: 1053 Upland Road, Egmont Village

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

Catchment: Waiongana

Tributary: Mangaoraka

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

General condition

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

Special conditions

1. The exercise of this consent shall be carried out in general accordance with the information provided in support of the original application for this consent and with any subsequent application to change consent conditions. Where there is conflict between applications the later application shall prevail, and where there is conflict between an application and consent conditions the conditions shall prevail.
2. The contaminants to be discharged shall be limited to cleanfill and/or inert materials. For the purposes of this condition, “clean fill and inert materials” are defined as materials consisting of any concrete, cement or cement wastes, bricks, mortar, tiles (clay, ceramic or concrete), non-tanalised timber, porcelain, glass, gravels, boulders, shingles, fibreglass, plastics, sand, soils and clays, and/or tree stumps and roots, whether singly or in combination or mixture, or any other material that when placed onto and into land will not render that land or any vegetation grown on that land toxic to vegetation or animals consuming vegetation.
3. The discharge of the following contaminants shall not occur: food wastes, paper and cardboard, grass clippings, garden wastes containing green vegetation, textiles, steel, galvanised metals, construction materials containing paint or fillers or sealers or their containers, oils or greases or any liquids or sludges or their containers, any industrial process by-products other than as permitted under condition 2, any poisons or solvents or their containers, batteries, general domestic refuse not otherwise described, or any wastes with the potential to render land or any vegetation grown on the land toxic to vegetation or to animals consuming such vegetation.
4. Notwithstanding the other conditions of this consent it also authorises the discharge of residual sludge (Water Treatment Plant (WTP) sludge) from New Plymouth District Council's and South Taranaki District Council's drinking water treatment plants.
5. Any WTP sludge discharged shall be mixed with soil/overburden from the site and spread as thinly as practicable over an area that has already been largely reinstated or has never been quarried. It shall not be placed in general cleanfill areas/pits.
6. At least seven days prior to any discharge of WTP sludge, the consent holder shall notify the Taranaki Regional Council and supply the following information:
 - (a) the volume of the WTP sludge to be discharged;
 - (b) compositional analysis of a representative sample of the WTP sludge for BOD, aluminium, manganese, lead, zinc, copper, pH, cadmium and total solids;
 - (c) the expected start and end date of the discharging;
 - (d) the specific location within the site of the intended discharge; and
 - (e) an updated Quarry Management Plan addressing the management and disposal of WTP sludge on the site (any of the information required by (a) to (d) above could be provided within the updated management plan).

Consent 7089-1.2

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

7. No WTP sludge shall be placed closer than 10 metres from the top of the bank of any tributary of the Mangaoraka Stream, and no discharge shall result in any contaminant entering surface water.
8. Silt retention structures shall be installed and maintained to the satisfaction of the Chief Executive, Taranaki Regional Council.
9. The consent holder shall install and maintain stormwater diversion drains to minimise stormwater movement across, or ponding on the site, to the satisfaction of the Chief Executive, Taranaki Regional Council.
10. Within three months of the granting of this consent a cleanfill management plan is to be submitted and approved by the Chief Executive, Taranaki Regional Council.
11. Notwithstanding any conditions within this consent, the consent holder shall at all times adopt the best practicable option as defined in section 2 of the Resource Management Act 1991, to prevent or minimise any actual or potential effect on the environment arising from any discharge at the site.
12. Upon completion of the works associated with the exercise of this consent, the discharge site covered by this consent shall be stabilised and revegetated to the satisfaction of the Chief Executive, Taranaki Regional Council.
13. In accordance with section 128 and section 129 of the Resource Management Act 1991, the Taranaki Regional Council may serve notice of its intention to review, amend, delete or add to the conditions of this resource consent by giving notice of review during the month of June 2014 and June 2020, for the purpose of ensuring that the conditions are adequate to deal with any adverse effects on the environment arising from the exercise of this resource consent, which were either not foreseen at the time the application was considered or which it was not appropriate to deal with at the time.

Signed at Stratford on 29 April 2022

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

Consent Granted
Date: 27 January 2009

Conditions of Consent

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

Expiry Date: 1 June 2026

Review Date(s): June 2014, June 2020

Site Location: 29 Mahoetahi Road, Waitara

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

Catchment: Waiongana

Tributary: Mangaoraka

General conditions

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

Special conditions

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

Consent 7439-1

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

Signed at Stratford on 27 January 2009

For and on behalf of
Taranaki Regional Council

Director-Resource Management

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

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

Decision Date 10 July 2020

Commencement Date 10 July 2020

Conditions of Consent

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

Expiry Date: 1 June 2037

Review Date(s): June 2025, June 2031

Site Location: 707 Puniho Road, Okato

Grid Reference (NZTM) 1677108E-5656011N

Catchment: Matanehunehu

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

General condition

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

Special conditions

1. The stormwater discharged shall be from a catchment area not exceeding 0.84 ha.
2. Unless alternative sediment control measures that achieve an equivalent standard are agreed to by the Chief Executive of the Taranaki Regional Council, all run off from any area of exposed soil shall pass through sediment retention ponds as described below.
 - a) On sites with slopes less than 10 percent and less than 200 metres in length a sediment retention pond with a minimum volume of 2 per cent of the contributing catchment (200 m³ capacity for each ha of contributing catchment).
 - b) On sites with slopes greater than 10 per cent and/or more than 200 metres in length a sediment retention pond with a minimum volume of 3 per cent of the contributing catchment (300 m³ capacity for each ha of contributing catchment).
3. The consent holder shall at all times adopt the best practicable option, as defined in section 2 of the Resource Management Act 1991, to prevent or minimise any actual or likely adverse effect on the environment associated with the discharge of contaminants from the site.
4. The area of the quarry site that is unvegetated shall be contoured and bunded so that all water in this area is directed to the stormwater treatment system prior to discharge.
5. Any discharge from the site that reaches water shall have a suspended solids concentration no greater than 100 gm⁻³.
6. After allowing for reasonable mixing within a mixing zone extending 10 metres downstream of the discharge point, the discharge shall not give rise to any of the following effects in the receiving waters of the unnamed tributary of the 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.

Consent 9547-2.0

7. The consent holder shall notify the Chief Executive, Taranaki Regional Council, prior to making any changes to the processes or operations undertaken at the site that could alter the nature of the discharge. Any such change shall then only occur following receipt of any necessary approval under the Resource Management Act 1991. Notification shall include the consent number, a brief description of the work, and the intended commencement date. Unless the Chief Executive advises that an alternative method is required this notice shall be served by completing and submitting the 'Notification of work' form on the Council's website (<http://bit.ly/TRCWorkNotificationForm>).
8. In accordance with section 128 and section 129 of the Resource Management Act 1991, the Taranaki Regional Council may serve notice of its intention to review, amend, delete or add to the conditions of this resource consent by giving notice of review during the month of June 2025 and/or June 2031, for the purpose of ensuring that the conditions are adequate to deal with any adverse effects on the environment arising from the exercise of this resource consent, which were either not foreseen at the time the application was considered or which it was not appropriate to deal with at the time.

Signed at Stratford on 10 July 2020

For and on behalf of
Taranaki Regional Council

A D McLay
Director - Resource Management

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: Hurlstone Trust
C/- Post Centre
Junction Road
Egmont Village 4371

Decision Date 4 September 2015

Commencement Date 4 September 2015

Conditions of Consent

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

Expiry Date: 1 June 2033

Review Date(s): June 2021, June 2027

Site Location: 1320 Mokau Road, Uruti

Grid Reference (NZTM) 1730781E-5685430N

Catchment: Mimi

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

General condition

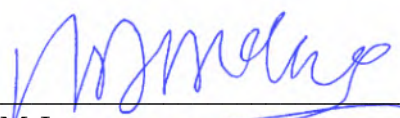
- a. The consent holder shall pay to the Taranaki Regional Council all the administration, monitoring and supervision costs of this consent, fixed in accordance with section 36 of the Resource Management Act 1991.

Special conditions

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

Transferred at Stratford on 15 February 2021

For and on behalf of
Taranaki Regional Council



A D McLay
Director - Resource Management

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

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

Decision Date
(Change): 25 February 2020

Commencement Date
(Change): 25 February 2020 (Granted Date: 4 September 2015)

Conditions of Consent

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

Expiry Date: 1 June 2033

Review Date(s): June 2021, June 2027

Site Location: 1320 Mokau Road, Uruti

Grid Reference (NZTM) 1730781E-5685430N

Catchment: Mimi

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

General condition

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

Special conditions

1. The rate of taking shall not exceed 33.5 litres per second.
2. As far as practical all water that is taken shall be discharged back into the dam in accordance with consent 6272-1.1.
3. At all times the consent holder shall adopt the best practicable option to prevent or minimise any actual or likely adverse effect on the environment associated with the abstraction of water, including, but not limited to, the efficient and conservative use of water.
4. Before exercising this consent the consent holder shall install, and thereafter maintain a water meter and a datalogger at the site of taking (or a nearby site in accordance with Regulation 10 of the *Resource Management (Measurement and Reporting of Water Takes) Regulations 2010*. The water meter and datalogger shall be tamper-proof and shall measure and record the rate and volume of water taken to an accuracy of $\pm 5\%$ at intervals not exceeding 15 minutes. Records of the date, the time and the rate and volume of water taken shall be made available to the Chief Executive, Taranaki Regional Council at all reasonable times.

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

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

The documentation shall be provided:

- (i) within 30 days of the installation of a water meter or datalogger;
- (ii) at other times when reasonable notice is given and the Chief Executive, Taranaki Regional Council has reasonable evidence that the equipment may not be functioning as required by this consent; and
- (iii) no less frequently than once every five years.

Consent 10146-1.1

6. If any measuring or recording equipment breaks down, or for any reason is not operational, the consent holder shall advise the Chief Executive, Taranaki Regional Council immediately. Any repairs or maintenance to this equipment must be undertaken by a suitably qualified person and a maintenance report provided to the Chief Executive, Taranaki Regional Council within 30 days of the work occurring.
7. Any water meter or datalogger shall be accessible to Taranaki Regional Council officers at all reasonable times for inspection and/or data retrieval. In addition the data logger shall be designed and installed so that Taranaki Regional Council officers can readily verify that it is accurately recording the required information.
8. The consent holder shall ensure that the intake is screened to avoid fish (in all stages of their life-cycle) entering the intake or being trapped against the screen.
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 2021 and/or June 2027, for the purposes of ensuring that the conditions are adequate to deal with any adverse effects on the environment arising from the exercise of this resource consent, which were either not foreseen at the time the application was considered or which it was not appropriate to deal with at the time.

Signed at Stratford on 25 February 2020

For and on behalf of
Taranaki Regional Council

A D McLay
Director - Resource Management

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

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

Decision Date: 15 May 2018

Commencement Date: 15 May 2018

Conditions of Consent

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

Expiry Date: 1 June 2036

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

Site Location: 1167 Wiremu Road, Opunake

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

Catchment: Oaonui

Tributary: Manganui

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

General condition

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

Special conditions

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

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

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

The documentation shall be provided:

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

Consent 10583-1.0

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

Signed at Stratford on 15 May 2018

For and on behalf of
Taranaki Regional Council

A D McLay
Director - Resource Management

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

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

Decision Date 18 February 2019

Commencement Date 18 February 2019

Conditions of Consent

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

Expiry Date: 1 June 2037

Review Date(s): June 2025, June 2031

Site Location: 78 Kekeua Road, Warea

Grid Reference (NZTM) 1671853E-5653701N

Catchment: Whanganui

Tributary: Mangaone

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

General condition

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

Special conditions

1. The active area of the quarry shall not exceed 0.46 hectares.
2. Earthworks shall be undertaken in general accordance with the 'Waikato Regional Council's Erosion and Sediment Control Guidelines for Soil Disturbing Activities'. If there is any conflict between this document and the conditions of this consent, the conditions of this consent shall prevail.
3. Unless alternative sediment control measures that achieve an equivalent standard are agreed to by the Chief Executive of the Taranaki Regional Council, all run off from any area of exposed soil shall pass through sediment retention ponds as described below.
 - a) On sites with slopes less than 10 percent and less than 200 metres in length a sediment retention pond with a minimum volume of 2 per cent of the contributing catchment (200 m³ capacity for each ha of contributing catchment).
 - b) On sites with slopes greater than 10 per cent and/or more than 200 metres in length a sediment retention pond with a minimum volume of 3 per cent of the contributing catchment (300 m³ capacity for each ha of contributing catchment).
4. All quarried areas shall be stabilised vegetatively or otherwise as soon as is practicable immediately following completion of soil disturbance activities.
5. At least 7 working days prior to the commencement of works the consent holder shall notify the Taranaki Regional Council of the proposed start date for the work. Notification shall include the consent number and a brief description of the activity consented and shall be emailed to worknotification@trc.govt.nz.
6. The consent holder shall at all times adopt the best practicable option, as defined in section 2 of the Resource Management Act 1991, to prevent or minimise any actual or likely adverse effect on the environment associated with the discharge of contaminants from the site.
7. This consent shall lapse on 31 March 2024, unless the consent is given effect to before the end of that period or the Taranaki Regional Council fixes a longer period pursuant to section 125(1)(b) of the Resource Management Act 1991.

Consent 10715-1.0

8. In accordance with section 128 and section 129 of the Resource Management Act 1991, the Taranaki Regional Council may serve notice of its intention to review, amend, delete or add to the conditions of this resource consent by giving notice of review during the month of June 2025 and/or June 2031, for the purpose of ensuring that the conditions are adequate to deal with any adverse effects on the environment arising from the exercise of this resource consent, which were either not foreseen at the time the application was considered or which it was not appropriate to deal with at the time.

Signed at Stratford on 18 February 2019

For and on behalf of
Taranaki Regional Council

A D McLay
Director - Resource Management

General condition

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

Special conditions

1. The rate of taking shall not exceed 30 litres per second.
2. Before exercising this consent the consent holder shall install, and thereafter maintain a water meter and a datalogger at the site of taking (or a nearby site in accordance with Regulation 10 of the *Resource Management (Measurement and Reporting of Water Takes) Regulations 2020*. The water meter and datalogger shall be tamper-proof and shall measure and record the rate and volume of all water taken to an accuracy of $\pm 5\%$ at intervals not exceeding 15 minutes.

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

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

The documentation shall be provided:

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

Consent 10848-1.0

6. The records of water taken shall:
 - (a) be in a format that, in the opinion of the Chief Executive, Taranaki Regional Council, is suitable for auditing;
 - (b) specifically record the water taken as 'zero' when no water is taken; and
 - (c) be transmitted to the Taranaki Regional Council's computer system within 2 hours of being recorded.
7. The consent holder shall undertake a monitoring programme that monitors the effects of this consent on the surrounding aquifer. The monitoring programme shall be submitted to the Chief Executive, Taranaki Regional Council for certification before 31 July 2021 and shall include at a minimum two groundwater sites at locations determined after consultation with the Chief Executive, Taranaki Regional Council.
8. This consent lapses 5 years after its commencement date (shown on the front of this document), unless the consent is given effect to before the end of that period or the Taranaki Regional Council fixes a longer period in accordance with 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 2022 and at 2-yearly intervals thereafter, for the purposes of: ensuring that the conditions are adequate to deal with any adverse effects on the environment arising from the exercise of this resource consent, which were either not foreseen at the time the application was considered or which it was not appropriate to deal with at the time.

Signed at Stratford on 19 October 2020

For and on behalf of
Taranaki Regional Council

A D McLay
Director - Resource Management

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

Name of
Consent Holder: AA Contracting Limited

Decision Date: 5 March 2024

Commencement Date: 5 March 2024

Conditions of Consent

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

Expiry Date: 1 June 2038

Review Date(s): June 2026 and June 2032

Site Location: 179 Te Arei Road West, New Plymouth

Grid Reference (NZTM) 1703012E-5678392N

Catchment: Waiongana

Tributary: Mangaoraka

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

General condition

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

Special conditions

- 1. The exercise of this consent shall be undertaken in general accordance with the documentation submitted in support of application 11150-1.0 including the documents referenced below:

Report title and reference	Document Number
Application Assessment of Environmental Effects (AEE)	3203959
AA Contracting Request for further information response	3236896
Policy Assessment – Quarry Clean Fill Consent-3	3236897

In the case of any contradiction between the documentation submitted in support of application 11150-1.0 and the conditions of this consent, the conditions of this consent shall prevail.

- 2. The consent holder shall undertake works in accordance with the certified Erosion Sediment Control Plan (ESCP) [document #3203960] and any certified variation thereafter, to mitigate erosion and sediment runoff risks associated with the quarry reinstatement.

Advice Note: The erosion and sediment control activities shall be undertaken in general accordance with the principles of the Waikato Regional Council, Erosion and Sediment Control Guidelines for Soil Disturbing Activities (2009).

- 3. The discharge of cleanfill shall only occur in the areas shaded on the attached plan (Appendix A), as included within the AEE.
- 4. The contaminants to be discharged shall be limited to cleanfill and/or inert materials. For the purposes of this condition, “cleanfill and inert materials” are defined as materials consisting of any sand, soil and clays and/or tree stumps and roots; gravel, shingle, stones; bricks and mortar, tiles (clay, ceramic or concrete), porcelain, glass, whether singly or in combination or mixture, or any other material (subject to condition 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.

5. 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 4), 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 4, any poisons or solvents or their containers, batteries, general domestic refuse not otherwise described, or any wastes with the potential to result in the formation of leachate or render land or any vegetation grown on the land toxic to vegetation or to animals consuming such vegetation.

Advice Note: This list is illustrative only and not exhaustive and the consent holder shall refrain from discharging any other materials or substances beyond the scope of cleanfill and inert materials as defined in condition 4.

6. 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 Chief Executive, Taranaki Regional Council, prior to its discharge. This includes all materials originating from activities described in: Hazardous Activities and Industries List (HAIL) of the User's Guide: National Environmental Standard for Assessing and Managing Contaminants in Soil to Protect Human Health.
7. For compliance monitoring purposes the consent holder shall keep a record of the material discharged at the site. This record shall be made available to the Taranaki Regional Council on request. The record kept shall include as a minimum:
 - a) a description of material received;
 - b) the source of the material, including the location details;
 - c) the total volume (or truck loads) of the material;
 - d) name, address and other contact details of the 'Discharger'; and
 - e) the date and period of discharge.
8. The discharge to land shall not result in any contaminant entering surface water or groundwater.
9. 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 cleanfill discharge authorised by this consent, the discharge site shall be stabilised and re-vegetated to the satisfaction of the Taranaki Regional Council.
11. The cleanfill discharge authorised by this consent shall not enter into any sediment retention pond connected to the stormwater system network.

Consent 11150-1.0

12. This consent lapses 5 years after its date of commencement, 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 2026 and/or June 2032, 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.

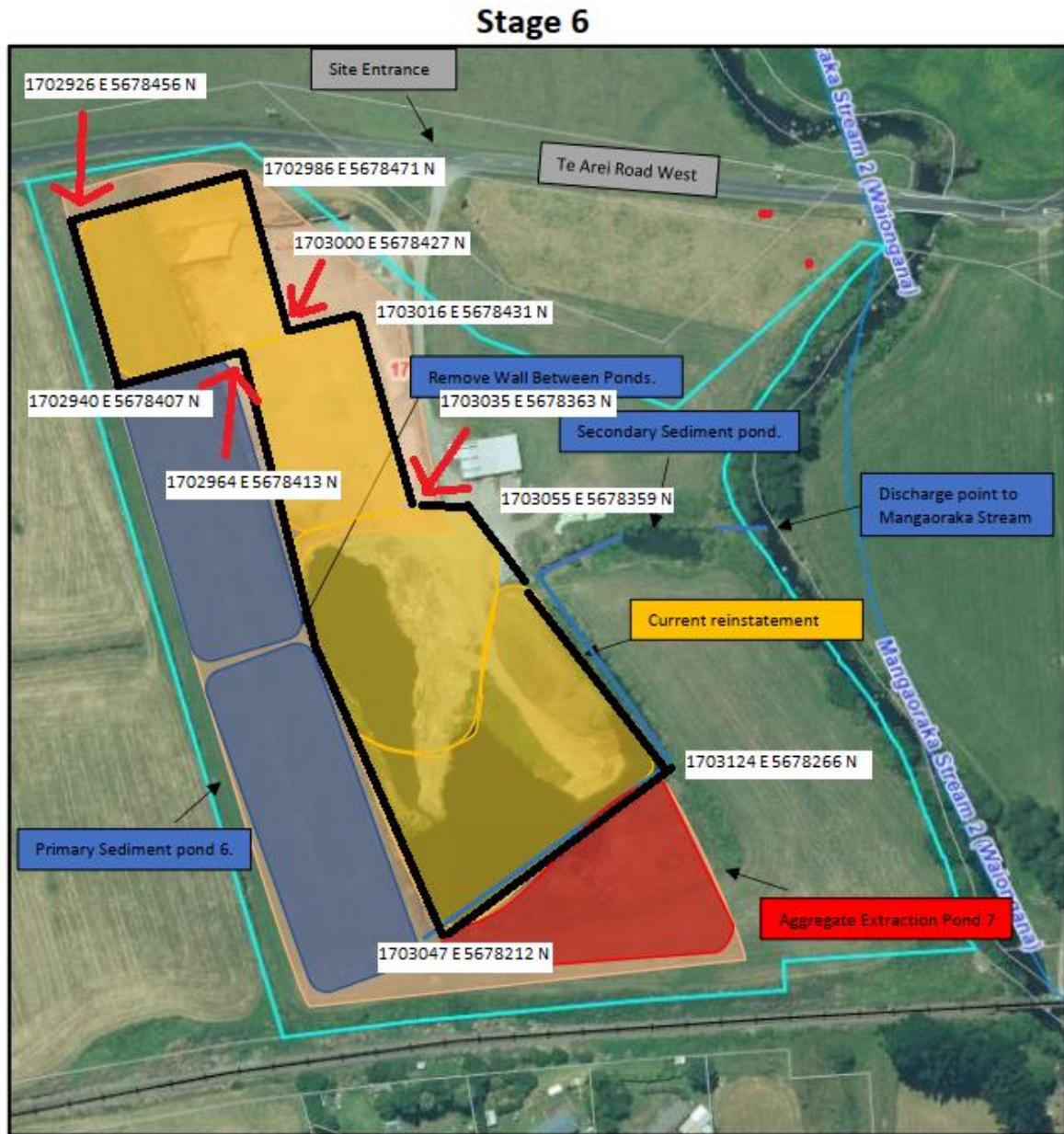
Signed at Stratford on 5 March 2024

For and on behalf of
Taranaki Regional Council



A D McLay
Director - Resource Management

Appendix A: Area of Cleanfill (Shaded in yellow)



Appendix II

Categories used to evaluate environmental and administrative performance

Categories used to evaluate 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 performance is concerned with the Company's approach to demonstrating consent compliance in site operations and management including the timely provision of information to Council (such as contingency plans and water take data) in accordance with consent conditions.

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

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

Environmental Performance

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

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

For example:

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

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

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

Administrative performance

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

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

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

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