

Regional Quarry Compliance Monitoring Combined Biennial Report

Southern Quarries

Monitoring Programme

Biennial Report

2022-2024

Technical Report 2024-69



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Taranaki Regional Council
Private Bag 713
Stratford

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Executive summary

This report for the period July 2022 to June 2024 describes the monitoring programme implemented by the Taranaki Regional Council (the Council) to assess the environmental and consent compliance performance of various quarrying operations across Taranaki during the period under review. The report also details the results of the monitoring undertaken and assesses the environmental effects of these activities.

At the end of the period being reported, there were 23 active quarries being monitored by the Council across the region. These quarries held a combined total of 56 resource consents, authorising various combinations of water discharges and abstractions, discharges of cleanfill and stream modifications.

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

The following report details monitoring work carried out in relation to the Southern Quarries, which account for 10 of the region's 23 active quarries. This will be the fifth report to incorporate the monitoring results of this group of quarries.

The monitoring programmes for another 12 quarries will be included in a separate biennial report (Northern Quarries compliance monitoring report), which will also cover the period July 2022 to June 2024. Civil Quarries Ltd's Everett Road quarry is reported on separately.

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

During the monitoring period environmental performance was assessed as:

Bunn Earthmoving Ltd – Surrey Road Quarry, Burgess and Crowley Ltd, DM & DL Bourke – Onewhaia Road, Hey Trust – Monmouth Road quarry, Horizon Trust Management Ltd – Waiteika Road, GC Land Holdings Ltd, Windy Point Quarry – Ragitatau Road, R A Wallis Ltd – Lower Glenn Road Quarry, G & G Holdings Ltd – Bird Road, Vickers Quarry Ltd – York Road all demonstrated an overall high level of environmental performance.

Horizon Trust Management Ltd – Whenuku Road demonstrated a good level of environmental performance.

During the monitoring period administrative performance was assessed as:

Bunn Earthmoving Ltd – Surrey Road Quarry, Burgess and Crowley Ltd, DM & DL Bourke – Onewhaia Road, Hey Trust – Monmouth Road quarry, Horizon Trust Management Ltd – Waiteika Road, GC Land Holdings Ltd, Windy Point Quarry – Ragitatau Road, R A Wallis Ltd – Lower Glenn Road Quarry, G & G Holdings Ltd – Bird Road, Vickers Quarry Ltd – York Road all demonstrated an overall high level of administrative performance.

Horizon Trust Management Ltd – Whenuku Road demonstrated an overall good level of administrative performance.

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.

This report includes recommendations for the 2024-2026 year, including a recommendation relating to an optional review of consents 9547-2 and 6585-2 in June 2025.

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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 fifth combined biennial report 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 1 July 2022 to 30 June 2024, and includes monitoring results for the Southern quarries, which account for 10 of the region's 23 active quarries. The monitoring results for the northern quarries for the same monitoring period are contained in a separate biennial report. Civil Quarries Limited's Everett Road Quarry is reported on separately due to its scale and recent monitoring history.

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

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

1.1.2 Structure of this report

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

Sections 2-11 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

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 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

1.1.5 Quarrying in Taranaki

Quarry consent holders operate at various locations throughout the region in differing catchments (Tables 1-3, Figure 2). In the past, a large percentage of aggregate production came from river-based sites within Taranaki. The Waiwhakaiho River supplied much of New Plymouth's requirements as far back as the 1950's 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 23 quarries in the region that are monitored by the Council. These quarries are generally located in a reasonable proximity to urban areas, from which the greatest demand for aggregate stems. Provision of aggregate to meet longer term demand will continue to be dominated by several large quarry operations. Extra demand on alluvial terraces and laharic deposits has occurred due to the controlled riverbed 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.

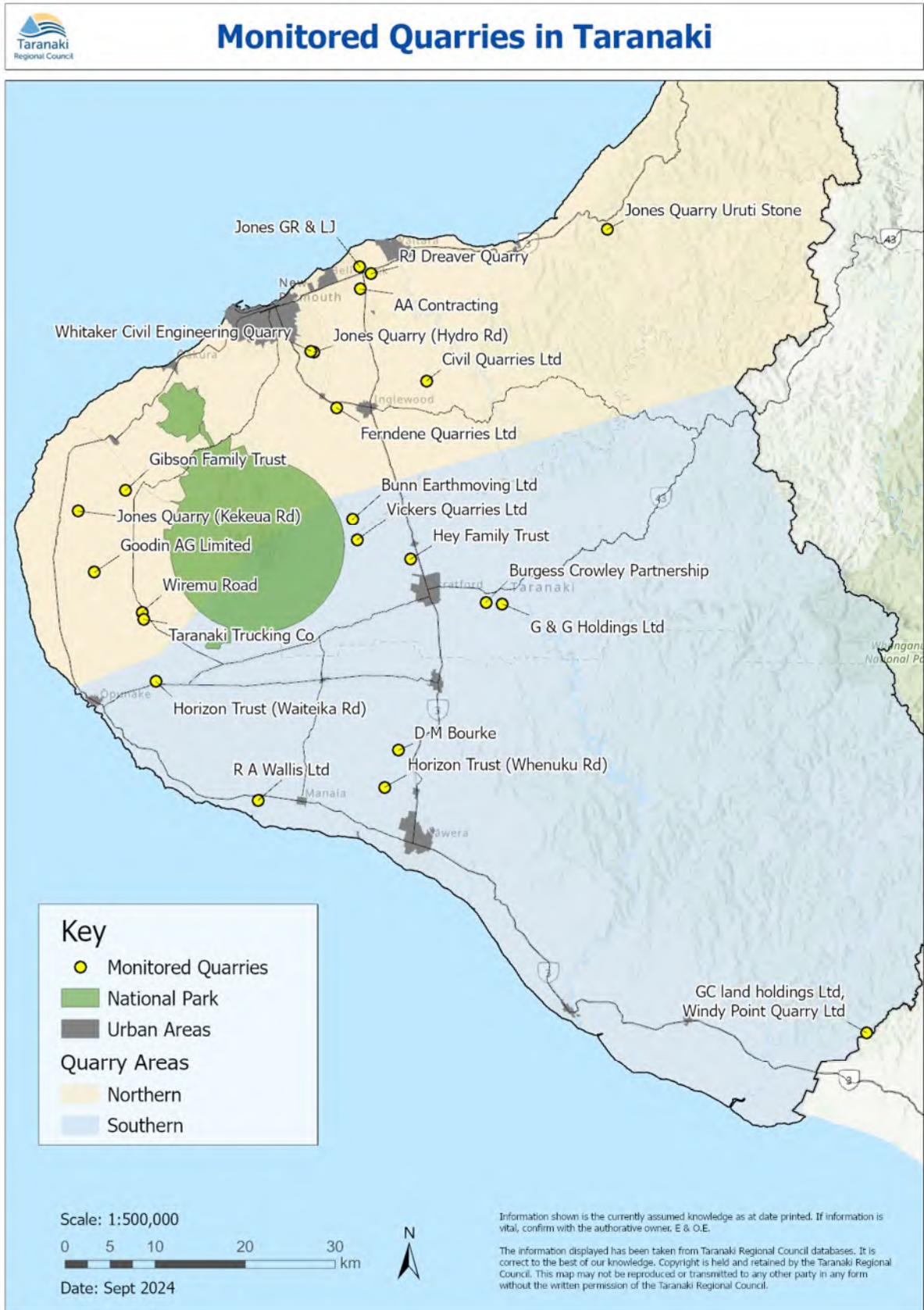


Figure 1 Map showing monitored quarrying locations in Taranaki

1.2 Resource consents

1.2.1 Summary of resource consents held for Taranaki quarries

A summary of resource consents held by quarries operating in Northern Taranaki covering 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 | 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 | Expires 1 June 2030 | Wiremu Road, Opunake |
| | 2184-3 | D _w | Expires 1 June 2030 | |
| 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
D_c discharge cleanfill T take water for quarrying purposes SM stream modifications
Note: Bold review dates occur prior to next biennial report (2020-2022)

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

Table 2 Resource consents held by Civil Quarries Ltd

| Consent holder | Consent number | Consent type | Next review | Location |
|--------------------|----------------|----------------|-------------|-------------------------|
| Civil Quarries Ltd | 1113-5.1 | D _s | June 2025 | Everett Road, Inglewood |
| | 10247-1.1 | T | June 2025 | |

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 here) covering the 2022-2024 monitoring period is presented in Table 3.

Table 3 Resource consents held by Southern Taranaki quarry operators

| 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 | 7519-2.0 | D _s , D _w | June 2030 | Waiteika Rd, Opunake |
| | 7522-2.0 | C | June 2030 | |
| Horizon Trust Management Ltd, Whenuku Road | 7845-1.2 | D _s , D _G | Expires June 2029 | Whenuku Rd, Hawera |
| | 10017-1.1 | SM | Expires June 2029 | |
| | 10018-1 | IGT | Expires June 2029 | |
| | 10905-1.0 | D _c | June 2025 | |
| | 10866-1.0 | D _s | 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 | Expires 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 (2024-2026)

1.3 Monitoring programme overview

1.3.1 Introduction

Section 35 of the RMA sets obligations upon the Council to gather information, monitor and conduct research on the exercise of resource consents 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 four primary components.

1.3.2 Programme liaison and management

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

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

1.3.3 Site inspections

Each quarry is now subject to two physical inspections every monitoring year, with one inspection to occur during the summer months, and the other to occur during wet months. With regard to consents for the abstraction of or discharge to water, the main points of interest are plant processes with potential or actual discharges to receiving watercourses, including contaminated stormwater and process wastewaters. Air inspections focus on plant processes with associated actual and potential emission sources and characteristics, including potential odour, dust, noxious or offensive emissions. Sources of data being collected by the consent holder are also identified and accessed, so that performance in respect of operation, internal monitoring, and supervision can be reviewed by the Council. The neighbourhood is also surveyed for environmental effects.

1.3.4 Physicochemical sampling

The Council may undertake sampling of site discharges and sampling of the receiving environment where it is warranted. Sampling sites are selected on the basis that they enable an assessment of the effect of any discharges on the receiving environment. The range of parameters that samples are analysed for include conductivity, pH, suspended solids and turbidity. In some instances, hydrocarbons may be analysed.

1.3.5 Data review

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

1.3.6 Groundwater monitoring

Some quarries hold resource consents which require them to undertake a monitoring programme that monitors the effects on the surrounding aquifer. This includes drilling monitoring bores, measuring potential drawdown effects and taking water quality samples.

1.3.7 Biomonitoring surveys

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

1.4 Investigations, interventions, and incidents

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

The Council operates and maintains a register of all complaints or reported and discovered excursions from acceptable limits and practices, including non-compliance with consents, which may damage the environment. The Incident Register includes events where the Company concerned has itself notified the Council. The register contains details of any investigation and corrective action taken.

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

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

2. Bunn Earthmoving Ltd - Surrey Road Quarry 2nd Compliance Monitoring Biennial Report 2022-2024

2.1 Introduction

Bunn Earthmoving Ltd (the Company) operates a quarry located on Surrey Road, southwest of Tariki and approximately 1km from the boundary of the Egmont National Park (Figure 3). The Mangamawhete Stream runs along the southern and eastern boundaries of the site.

The quarry site is generally flat with a total area of 1.27ha. The site is used for metal extraction only with no aggregate washing permitted.

The stormwater treatment system consists of a 26m³ forebay and a 260m³ main pond. The forebay extends the full width of the main pond and is 1m deep. The main pond contains a T-bar decanter system which discharges to the Mangamawhete Stream. The site is bunded and contoured so that runoff is directed to the pond system.

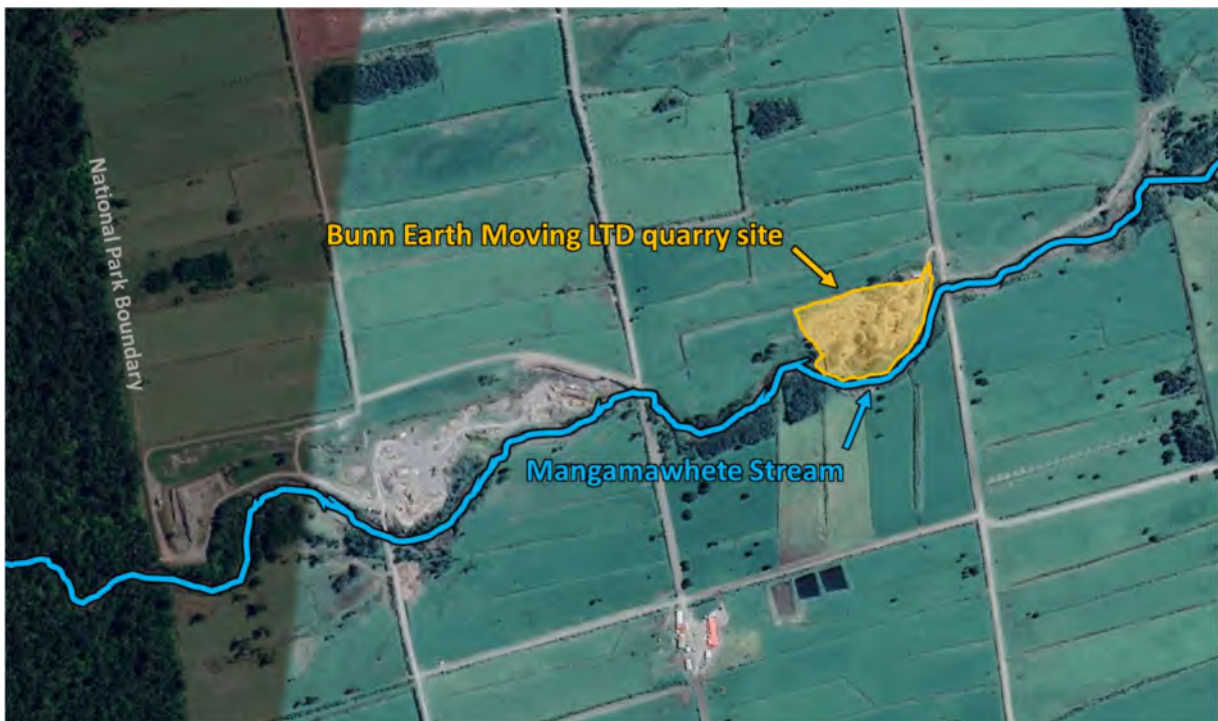


Figure 2 Bunn Earthmoving Ltd quarry site footprint as of 2020 (Google Earth)

2.2 Resource consents

Table 4 Resource consents held by Bunn Earthmoving Ltd

| Consent number | Purpose | Granted | Review | Expires |
|----------------|--|-----------------|-----------|-------------|
| 10527-1.0 | To discharge treated stormwater from a quarry site, into the Mangamawhete Stream | 2 February 2018 | June 2027 | 1 June 2033 |

2.3 Compliance monitoring programme

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

2.4 Environmental and administrative performance summary

Three compliance monitoring inspections were undertaken at the Surrey Road quarry during the 2022-2024 period. At all inspections it was noted the ring drain and settling pond system was operating well. The site was not discharging to the stream at the time of two of the three inspections. During the inspection on 23 February 2024, the site was discharging to the stream. The discharge was clear and did not produce a visible increase in turbidity of the Mangamawhete Stream. During this inspection there was ponding found throughout the site with iron oxide and sheen in some of the ponds. There was a sheen seen in the discharge flowing into the forebay of the main pond, and on the surface of the main pond. Water samples were taken at the time of inspection. All results came back within consent limits (Table 5). The other two inspections observed no signs of spillage, sheens or dust onsite. All inspections observed a good stormwater drainage system.

Table 5 Results of discharge samples 23 February 2024

| Parameter | Units | Discharge into pond |
|-------------------------------|------------------|---------------------|
| Time of sample collection | Hrs/NZST | 1140 |
| Temperature | °C | 18.1 |
| pH | pH units | 7.3 |
| Total hydrocarbons (C7 – C36) | g/m ³ | <4 |
| C7 – C9 | g/m ³ | <0.5 |
| C10 – C14 | g/m ³ | <1.0 |
| C15 – C36 | g/m ³ | <2 |
| Electrical conductivity | mS/m | 19.1 |
| Suspended Solids | g/m ³ | 32 |



Photo 1 Bunn Earthmoving Ltd Surrey Road quarry site 7 July 2019

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

Table 6 Summary of compliance with Consent 10527-1.0 over the 2022-2024 monitoring period

| Purpose: To discharge treated stormwater from a quarry site, into the Mangamawhete Stream | | |
|---|--|----------------------|
| Condition requirement | Means of monitoring during period under review | Compliance achieved? |
| 1. Operate quarry in accordance with consent conditions | Site inspections | Yes |
| 2. Discharge from aggregate-washing not permitted | Site inspections | Yes |
| 3. Stormwater treatment system to be constructed according to plan | Site inspections | Yes |
| 4. Site management plan requirement | Site management plan received 15 April 2019 In review | Yes |
| 5. Adopt best practicable option to prevent or minimise adverse environmental effects | Site inspections | Yes |
| 6. Progressive reinstatement of quarry site to minimise exposed earth | Site inspections | Yes |
| 7. Maximum stormwater catchment and area exposed | Site inspections | Yes |
| 8. Constituents of the discharge shall meet the consented limits prior to entry into the receiving waters | Site inspections – One set of samples taken | Yes |
| 9. The discharge shall not give rise to physical or chemical changes in the receiving waters | Site inspections – One set of samples taken | Yes |
| 10. Limits on turbidity increase of receiving waters | Site inspections – One set of samples taken | Yes |
| 11. Provide, maintain, and regularly update a contingency plan | Contingency plan in review | Yes |
| 12. Notification requirement prior to changes in operation or chemical use or storage | Site inspections and consent holder liaison | Yes |
| 13. Consent lapse clause | Resource consent has been given effect | N/A |
| 14. Review clause | Next optional review 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 |

The Company received a rating of high for consent compliance and administrative performance for the 2022-2024 monitoring period, as all quarry activities were assessed as compliant with the specified consent conditions.

2.5 Alterations and recommendations for 2024-2026

It is proposed that for the 2024-2026 monitoring period that the programme is unaltered from that of 2022-2024. It is recommended that monitoring of the Bunn Earthmoving Ltd Surrey Road site in the 2024-2026 period continue at the same level as in 2022-2024, with two inspections per year (one to occur during the summer months, and the other to occur during wet weather), with discharge samples to be collected if warranted.

3. Burgess & Crowley Partnership – East Road 14th Compliance Monitoring Biennial Report 2022-2024

3.1 Introduction

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

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

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

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

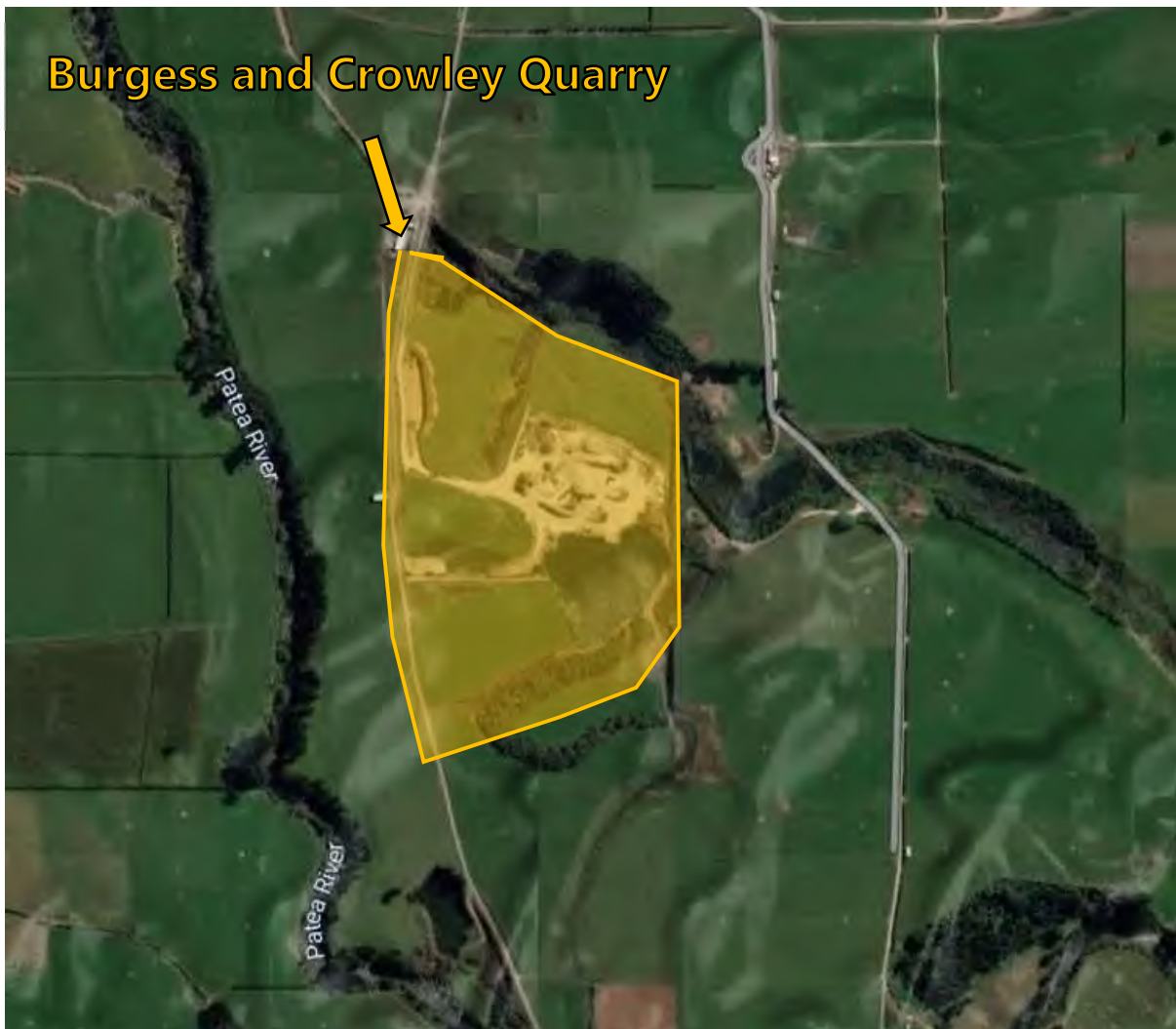


Figure 3 Burgess & Crowley Partnership East Road quarry site footprint as of 2022 (Google Earth)

3.2 Resource consents

Table 7 Resource consents held by Burgess & Crowley Partnership

| Consent number | Purpose | Granted | Review | Expires |
|----------------|---|-------------------|--------|-------------|
| 7963-1 | To discharge stormwater from a quarry site into the Toko Wetland in the Patea River Catchment | 11 September 2012 | N/A | 1 June 2028 |
| 7964-1 | To take and divert groundwater in the vicinity of the Patea River and the 'Toko Wetland' incidental to quarrying activities | 10 September 2018 | N/A | 1 June 2028 |
| 6505-1 | To discharge cleanfill onto and into land for quarry reinstatement purposes | 15 December 2004 | N/A | 1 June 2022 |

3.3 Compliance monitoring programme

The Consent holder's East Road quarry monitoring programme includes three components, namely: programme liaison and management with consent holders, site inspections, and chemical sampling when required.

3.4 Environmental and administrative performance summary

Four compliance monitoring inspections were undertaken at the East Road quarry during the 2022-2024 monitoring period. The site was found to be well bunded and all water was directed through ring drains and two separate settling ponds. There was no discharge from the old silt ponds, which are no longer in use and disconnected from the treatment system. All surface water was directed to the large man-made pond/lake, from which the discharge flowed to the wetland. All inspections observed the wetland to have clear and uncoloured water, with no signs of silt or sediment build up. The site appeared well maintained and generally tidy over the monitoring period. Work was completed to remediate sections of the site, while new material was also being extracted from the approved next phase of excavation.

The cleanfill Consent 6505-1 expired on 1 June 2022. Inspections of the cleanfill site showed that the area was still being well managed and maintained. No recent discharges were made to the cleanfill location over the monitoring period. A new Consent 6505-2 has been granted by the Council, commencement date 28 August 2024.

Burgess and Crowley have begun the pre-consenting process in regard to consents 7963-1 and 7964-1.



Photo 2 Burgess & Crowley East Road quarry site as at 29 June 2022



Photo 3 Burgess & Crowley East Road quarry at top end settling ponds adjacent to wetland 27 May 2024

The Council monitors for possible effects on stream life by conducting a visual inspection of the discharge from the quarry, and the streambed, both up and downstream of the quarry discharge point.

Inspections of the site over the 2022-2024 monitoring period noted no adverse effects noted in the receiving waters.

A tabular summary of the consent holder's compliance record for the period under review is set out in Table 8 and Table 9.

Table 8 Summary of compliance with Consent 7963-1 over the 2022-2024 monitoring period

| Purpose: To discharge stormwater from a quarry site into the Toko Wetland in the Patea River Catchment | | |
|---|---|-----------------------------|
| Condition requirement | Means of monitoring during period under review | Compliance achieved? |
| 1. Settlement pond dimension requirements | Site inspections | Yes |
| 2. Stage development of quarry | Site inspections | Yes |
| 3. Reinstatement of previous stages | Site inspections | Yes |
| 4. Aggregate washing prohibited | Site inspections | Yes |
| 5. Contouring and bunding requirements | Site inspections | Yes |
| 6. Suspended solids limits for discharge | Site inspections – Samples taken | Yes |
| 7. No specified effects on receiving waters | Site inspections | Yes |
| 8. Consent lapse | Consent exercised | N/A |
| 9. Optional review provision | No further reviews available | 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 |

N/A = not applicable

The consent holder received a high rating for both consent compliance and administrative performance for Consent 7963-1 during the 2022-2024 monitoring period, as all quarry activities were assessed as compliant with the specified consent conditions.

Table 9 Summary of compliance with Consent 7964-1.1 over the 2022-2024 monitoring period

| Purpose: To take and divert groundwater in the vicinity of the Patea River and the Toko Wetland incidental to quarrying activities | | |
|---|---|-----------------------------|
| Condition requirement | Means of monitoring during period under review | Compliance achieved? |
| 1. Piezometer installation requirement | Site inspection | Yes |
| 2. Piezometer monitoring requirement | Provision of data | Yes |
| 3. Piezometer access | Site inspection | Yes |
| 4. Consent lapse | Consent exercised | N/A |
| 5. Optional review provision | No further reviews available | 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 |

N/A = not applicable

The consent holder received a high rating for both consent compliance and administrative performance for Consent 7964-1 during the 2022-2024 monitoring period, as all quarry activities were assessed as compliant with the specified consent conditions.

3.5 Alterations and recommendations for 2024-2026

1. It is proposed that for the 2024-2026 monitoring period the programme is unaltered from that of 2022-2024. It is recommended that monitoring of discharges from the Burgess & Crowley Partnership East Road site in the 2024-2026 period continue at the same level as in 2022-2024, with two inspections per year (one to occur during the summer months, and the other to occur during wet weather), with discharge samples to be collected if warranted.
2. After consultation with the consent holder, an updated water management plan is set to be presented to the Council. This shall include a change in the point of discharge, from the protected Toko Wetland, to the Patea River south of the site. New law changes to protect wetlands prevent any new discharge sources to wetlands.
3. It is recommended that the inspecting officer measures the levels of the piezometer and staff gauge while onsite for comparison with the annual data received from Burgess and Crowley Partnership.

4. DM & DL Bourke – Onewhaia Road 14th Compliance Monitoring Biennial Report 2022-2024

4.1 Introduction

DM & DL Bourke (the consent holder) operate a quarry located on the true left bank of the Waingongoro River at Onewhaia Road, north of Normanby. The site lies on a small river terrace, elevated 4m above the river. The quarry has been operating since 1992 producing aggregate for both on-farm purposes and commercial sale.

The active quarry area of approximately 3,600m² is contoured and bunded to direct all stormwater for treatment prior to discharge to the Waingongoro River. The river is bounded by a 10m buffer strip and a riparian buffer helps to filter sediment from stormwater should there be any overflow. No washing is performed at this site.



Figure 4 DM & DL Bourke Onewhaia Road quarry site footprint as of May 2020 (Google Earth)

4.2 Resource consents

Table 10 Resource consents held by DM & DL Bourke

| Consent number | Purpose | Granted | Review | Expires |
|----------------|---|-----------------|--------------------|-------------|
| 5001-2 | To discharge treated stormwater from a quarry site into the Waingongoro River. | 19 January 2012 | No further reviews | 1 June 2029 |
| 9933-1 | To discharge treated contaminated water, from the dewatering of excavations at a quarry site, onto land and into the Waingongoro River. | 12 June 2014 | No further reviews | 1 June 2029 |
| 9934-1 | To take groundwater incidental to quarry operations in the vicinity of the Waingongoro River | 12 June 2014 | No further reviews | 1 June 2029 |

4.3 Compliance monitoring programme

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

4.4 Environmental and administrative performance summary

Four compliance monitoring inspections were undertaken at the Onewhaia Road quarry during the 2022-2024 period. During the inspections it was noted that the site was well bunded and contoured to direct runoff to the treatment system. Also directed to treatment system is the groundwater take from the active excavation site. This is pumped when required to one of the two settling ponds. During three of the four inspections the discharge to the Waingongoro River was observed to be relatively clear and uncoloured with no visual effects upstream or downstream of the receiving environment. During the inspection on 26 February 2024, the discharge into the Waingongoro River was observed to be relatively clear however, the water looked milky in patches where the discharge intersected with the river. There was also a build-up of light coloured silt on the riverbed in the same area. However, there was no evidence of sediment build-up 7m downstream of the discharge point. The stormwater settlement pond was due for a clean out at the time of the inspection on 3 July 2023 and was recommended to have it cleaned out again at the inspection on 26 February 2024 to avoid any milky discharge or silt building up in the discharge in the future. No evidence of dust, spills or sheens in any inspections. The site was well maintained and compliant with consent conditions.



Photo 4 Active excavation site with groundwater present, pump to settling ponds also present



Photo 5 DM & DL Bourke Onewhaia Road quarry site 6 December 2017

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

A tabular summary of the consent holder's compliance record for the period under review is set out in Table 11, Table 12, and Table 13.

Table 11 Summary of compliance with Consent 5001-2 over the 2022-2024 monitoring period

| Purpose: To discharge treated stormwater from a quarry site into the Waingongoro River | | |
|---|--|----------------------|
| Condition requirement | Means of monitoring during period under review | Compliance achieved? |
| 1. Adopt best practice | Site inspections | Yes |
| 2. Aggregate washing not permitted | Site inspections | Yes |
| 3. Silt controls must be in place | Site inspections | Yes |
| 4. No direct discharge into the river or tributary | Site inspections | Yes |
| 5. Contour/ bund site to direct water to settlement pond | Site inspections | Yes |
| 6. Constituents of discharge shall meet consent condition standards | Site inspections/No samples required | Yes |
| 7. Discharge cannot cause specified adverse effects beyond mixing zone | Site inspections | Yes |
| 8. Maintain a contingency plan for the event of a spillage and contamination | Contingency plan received 16/06/2016 | Yes |
| 9. Optional review provision | No further reviews available | N/A |
| Overall assessment of consent compliance and environmental performance in respect of this consent | | High |
| Overall assessment of administrative performance in respect of this consent | | High |

The consent holder received a high rating for consent compliance and administrative performance for Consent 5001-2 in the 2022-2024 monitoring period, as all activities were assessed as compliant with the specified consent conditions.

Table 12 Summary of compliance with Consent 9933-1 over the 2022-2024 monitoring period

| Purpose: To discharge treated contaminated water, from the dewatering of excavations at a quarry site, onto land and into the Waingongoro River | | |
|--|---|-----------------------------|
| Condition requirement | Means of monitoring during period under review | Compliance achieved? |
| 1. All contaminated groundwater to be treated prior to discharge | Site inspections | Yes |
| 2. Settlement pond capacity requirement | Site inspection | Yes |
| 3. Discharge outlet to exclude backflow from the river | Site inspection | Yes |
| 4. Management of water treatment system to ensure consent compliance and minimise discharge | Site inspections | Yes |
| 5. No discharge of untreated contaminated groundwater | Site inspection | Yes |
| 6. Adopt best practice | Site inspections | Yes |
| 7. Constituents of discharge shall meet consent condition requirements | Site inspections/No samples required | Yes |
| 8. Discharge cannot cause specified adverse effects beyond mixing zone | Site inspections | Yes |
| 9. Discharge cannot cause specified changes in visual clarity beyond mixing zone | Site inspections | Yes |
| 10. Treatment system to be bunded to prevent stormwater inflow | Site inspections | Yes |
| 11. Maintain a contingency plan for the event of a spillage and contamination | Contingency plan received 16/06/2016 | Yes |
| 12. Notification requirement prior to changes in site processes | No notifications received | Yes |
| 13. Lapse clause | Consent exercised | N/A |
| 14. Optional review provision | No further reviews available | N/A |
| Overall assessment of consent compliance and environmental performance in respect of this consent | | High |
| Overall assessment of administrative performance in respect of this consent | | High |

The consent holder received a high rating for consent compliance and administrative performance for Consent 9933-1 for the 2022-2024 monitoring period, as all activities were assessed as compliant with the specified consent conditions.

Table 13 Summary of compliance with Consent 9934-1 over the 2022-2024 monitoring period

| Purpose: To take groundwater incidental to quarry operations in the vicinity of the Waingongoro River | | |
|--|--|-----------------------------|
| Condition requirement | Means of monitoring during period under review | Compliance achieved? |
| 1. Groundwater take to be incidental to quarrying activities | Site inspection | Yes |
| 2. Notification requirements | No notification received. However, quarry was pre-existing | N/A |
| 3. Adopt best practice | Site inspections | Yes |
| 4. Lapse clause | Consent exercised | N/A |
| 5. Optional review provision | No further reviews available | N/A |

| Purpose: To take groundwater incidental to quarry operations in the vicinity of the Waingongoro River | | |
|---|--|----------------------|
| Condition requirement | Means of monitoring during period under review | Compliance achieved? |
| Overall assessment of consent compliance and environmental performance in respect of this consent | | High |
| Overall assessment of administrative performance in respect of this consent | | High |

The consent holder received a high rating for consent compliance and administrative performance for Consent 9934-1 for the 2022-2024 monitoring period, as all groundwater take activities were assessed as compliant with the specified consent conditions.

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

4.5 Alterations and recommendations for 2024-2026

It is proposed that for the 2024-2026 monitoring period that the programme is unaltered from that of 2022-2024. It is recommended that monitoring of discharges from the DM & DL Bourke's Onewhaia Road site in the 2024-2026 period continue at the same level as in 2022-2024, with two inspections per year (one to occur during the summer months, and the other to occur during wet weather), with discharge samples to be collected if warranted.

5. Hey Trust – Monmouth Road Quarry

6th Compliance Monitoring Biennial Report 2022-2024

5.1 Introduction

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

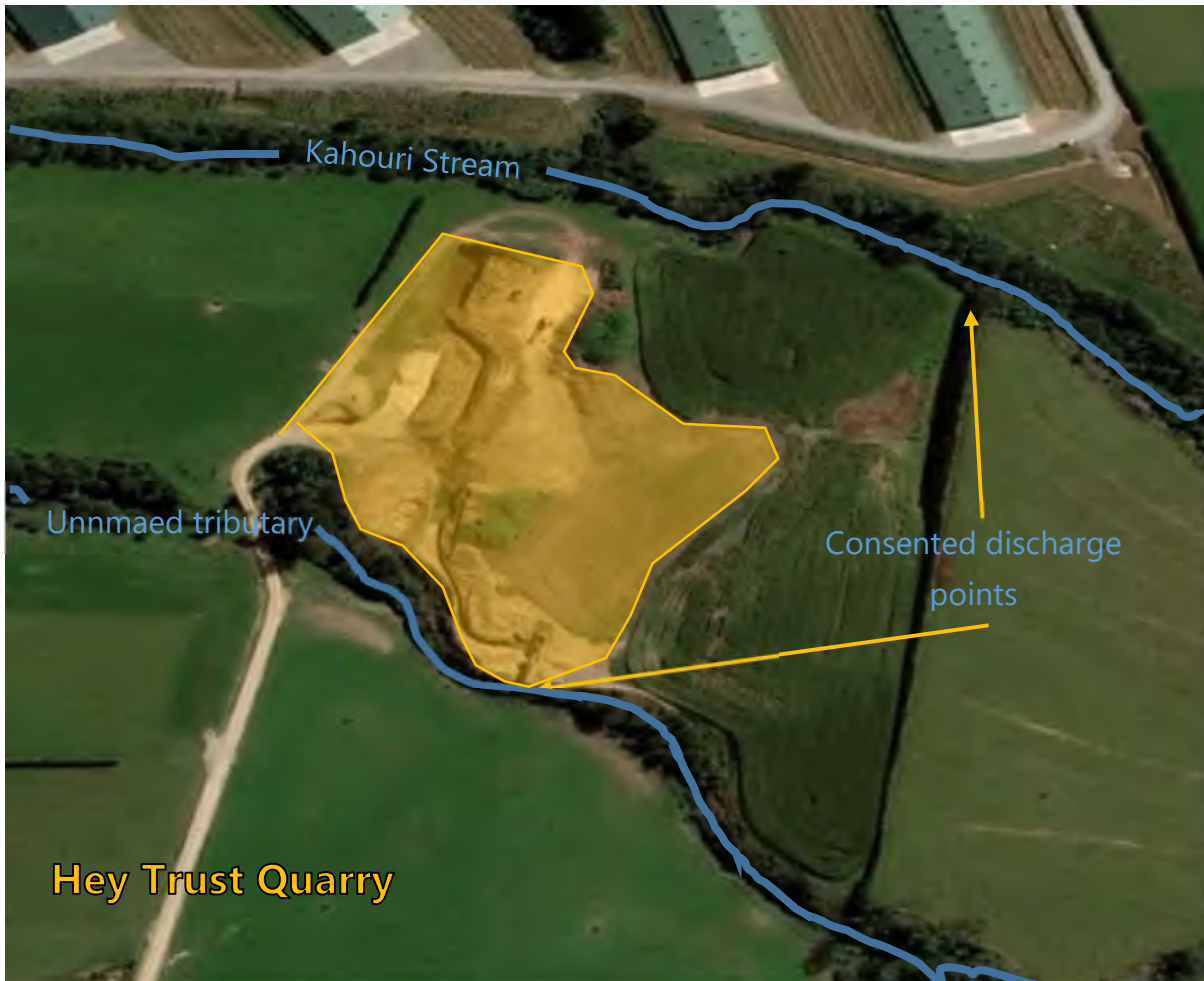


Figure 5 Hey Trust Monmouth Road quarry site footprint as of May 2022 (Google Earth)

5.2 Resource consents

Table 14 Resource consents held by Hey Trust

| Consent number | Purpose | Granted | Review | Expires |
|----------------|--|-------------------|-----------|-------------|
| 7123-2.0 | To discharge treated stormwater from a quarry site into the Kahouri Stream and an unnamed tributary. | 14 September 2021 | June 2025 | 1 June 2040 |

5.3 Compliance monitoring programme

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

5.4 Environmental and administrative performance summary

Four inspections were undertaken at the Monmouth Road quarry during the 2022-2024 period. Inspections noted that the site was well maintained, and that reinstatement had occurred on the sections of quarry which are no longer active. Stormwater from the active site is contained via bunding, the run-off is then directed through open drains and treated in one of the two settling ponds. From these settlement ponds the water can be discharged to either the Kahouri Stream and/or the unnamed tributary as per the consent conditions. All inspections observed the site is well bunded and the ring drain was operating well. Three of the four inspections observed clear discharge from the settlement ponds. The inspection on 29 March 2023 observed a blockage at the discharge point preventing discharge from occurring. No signs of hydrocarbon spills or sheens from machinery, and no dust was visibly discharged from the site.



Photo 6 Hey Trust Quarry settling pond (left) looking toward open ring drain system as of January 2024. Settling pond (right) discharging to Kahouri Stream and/or the unnamed tributary



Photo 7 The majority of the site is directed through open drains to one of two settling ponds. Discharge then to Kahouri Stream and/or the unnamed tributary (25 January 2024)

The Council monitors for possible effects on stream life by conducting a visual inspection of the discharge from the quarry, and the streambed, both up and downstream of the quarry discharge point. The discharge to the receiving environment was observed during two of the monitoring inspections. No adverse effects on the receiving waters were noted by the inspecting officers.

A tabular summary of the consent holder's compliance record for the period under review is set out in Table 15.

Table 15 Summary of compliance with Consent 7123-1 over the 2022-2024 monitoring period

| Purpose: To discharge treated stormwater from a quarry site onto and into land and into the Kahouri Stream in the Patea Catchment | | |
|---|---|----------------------|
| 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 the consent in accordance with the details provided in the application | Site inspections, discharge has changed | Yes |
| 3. No direct discharge of untreated stormwater | Inspections of site and river | Yes |
| 4. Contour and/or bund the active quarry area so that all water is directed for treatment | Site inspections, discussions with the owner | Yes |
| 5. Control erosion and minimise silt and sediment in the stormwater | Inspections of site and downstream of discharge point | Yes |
| 6. Progressive reinstatement of the quarry to minimise the area of exposed earth | Site inspections | Yes |
| 7. Maximum stormwater catchment area | Site inspections | Yes |

| Purpose: To discharge treated stormwater from a quarry site onto and into land and into the Kahouri Stream in the Patea Catchment | | |
|---|--|----------------------|
| Condition requirement | Means of monitoring during period under review | Compliance achieved? |
| 8. Maintenance of the stormwater system to ensure consent conditions are met | Consultation and inspection to ensure effective operations system | Yes |
| 9. Constituents of the discharge shall meet the consented limits prior to entry into the receiving waters | Site inspections/No samples taken | N/A |
| 10. The discharge shall not give rise to physical or chemical changes in the receiving waters | Inspections of the receiving waters and sample collection if warranted | Yes |
| 11. The discharge shall not give rise to changes in visual clarity of the receiving waters | Inspection of the receiving waters | Yes |
| 12. Provide stormwater management and contingency plans | Contingency plan reviewed on 22/04/2017 | Yes |
| 13. Reinstatement requirement | Site inspections | Yes |
| 14. Lapse clause | N/A | N/A |
| 15. Optional review provision | 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 |

The consent holder received a rating of high for both environmental performance and for administrative performance in the 2022-2024 monitoring period. The consent conditions were met with no issues to note.

5.5 Alterations and recommendations for 2024-2026

It is proposed that for the 2024-2026 monitoring period that the programme is unaltered from that of 2022-2024. It is recommended that monitoring of discharges from the Hey Trust Monmouth Road site in the 2024-2026 period continue at the same level as in 2022-2024, with two inspections per year (one to occur during the summer months, and the other to occur during wet weather), with discharge samples to be collected if warranted.

5.6 Exercise of optional review of consent

Resource Consent 7123-1 provides for an optional review of the consent in June 2025. Condition 11 allows the Council to review the consent, if there are grounds that the conditions are inadequate to deal with any adverse effects on the environment arising from the exercise of this resource consent.

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. All conditions have been complied with and no adverse effects have been seen on the environment in the 2022-2024 monitoring year.

6. Horizon Trust Management Ltd – Waiteika Road 6th Compliance Monitoring Biennial Report 2022-2024

6.1 Introduction

Horizon Trust Management Ltd (the Company) operates a quarry located on Waiteika Road, in the Waiteika Catchment. The quarry discharges stormwater and washwater to land only.

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



Figure 6 Horizon Trust Management Ltd Waiteika Road quarry site footprint as of May 2022 (Google Earth)

6.2 Resource consents

Table 16 Resource consents held by Horizon Trust Management Ltd for Waiteika Rd Quarry

| Consent number | Purpose | Granted | Review | Expires |
|----------------|--|----------------|--------------------|-------------|
| 7519-1 | To discharge treated stormwater and wastewater onto and into land from quarry activities | 10 August 2009 | No further reviews | 1 June 2024 |
| 7522-1 | To install, use and maintain a culvert for access purposes | 10 August 2009 | No further reviews | 1 June 2024 |

6.3 Compliance monitoring programme

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

6.4 Environmental and administrative performance summary

Four inspections were undertaken at the Horizons Trust Management Ltd Waiteika Road quarry during the 2022-2024 period. Inspections noted that during this period the site appeared to be well contoured, with a ring drain encompassing the site. Surface water runoff is then directed to one of three settlement ponds. Once treated, water is discharged to a constructed drain where it soaks to land. During three out of four inspections the receiving drain appeared to have low flow, with no apparent silt or sediment build up, and overgrown pasture throughout. During the inspection on 23 February 2024, the culvert on the upstream side was being obstructed by branches and sediment build up. By the next inspection the upstream side of the culvert had been cleared. During all inspections it was noted the site was well bunded. However, there was a small breach of bunding found at the top of the site during the inspection on 1 June 2023. This was quickly fixed. No dust discharged beyond the boundary of the site and no visible spills or sheens were present. Overall, all consent conditions were complied with.



Photo 8 Horizon Trust Management Ltd Waiteika Road quarry site 2009



Photo 9 Settling pond 1 May 2022



Photo 10 Settling pond 2 May 2022



Photo 11 Settling Pond 3 May 2022

The Company holds consent to discharge stormwater onto and into land at the quarry site, not to surface water. The Inspections of the site during the 2022-2024 monitoring period did not note any discharge to, or adverse effects occurring in surface water environments.

A tabular summary of the Company's compliance record for the period under review is set out in Table 17 and Table 18.

Table 17 Summary of compliance with Consent 7519-1 over the 2022-2024 monitoring period

| Purpose: To discharge treated stormwater and wastewater onto and into land from quarry activities | | |
|---|--|----------------------|
| Condition requirement | Means of monitoring during period under review | Compliance achieved? |
| 1. Limits on size of quarry | Inspections of site | Yes |
| 2. Treatment pond specifications | Inspection of ponds | Yes |
| 3. Advise TRC in writing at least 7 days prior to works commencing | No longer applicable | N/A |
| 4. Earthwork areas to be stabilised vegetatively or otherwise as soon as possible | Inspections of site | Yes |
| 5. Consent lapse | Consent has been exercised | N/A |
| 6. Optional review provision | No further reviews available | N/A |
| Overall assessment of consent compliance and environmental performance in respect of this consent | | High |
| Overall assessment of administrative performance in respect of this consent | | High |

The Company received a high rating for consent compliance and administrative performance for Consent 7519-1 for the 2022-2024 monitoring period, as all quarry activities were assessed as compliant with the specified consent conditions.

Table 18 Summary of compliance with Consent 7522-1 over the 2022-2024 monitoring period

| Purpose: To install, use and maintain a culvert for access purposes | | |
|---|--|----------------------|
| Condition requirement | Means of monitoring during period under review | Compliance achieved? |
| 1. Culvert pipe dimension requirements. | Inspections of site | Yes |
| 2. Culvert fill depth restriction | Inspections of site | Yes |
| 3. Work Notification requirements | No longer applicable | N/A |
| 4. Minimise riverbed disturbance | Inspections of site | Yes |
| 5. The culvert shall not obstruct fish passage. | Inspections of site | Yes |
| 6. Culvert inlet specification | Inspections of site | Yes |
| 7. Culvert gradient specification | Inspections of site | Yes |
| 8. Minimise and mitigate the effects of sediment discharged to (and suspended in) the stream | Inspections of the site | Yes |
| 9. Culvert to be removed and area reinstated when it is no longer required, unless otherwise agreed | Inspections of the site | N/A |
| 10. Lapse clause | Consent has been exercised | N/A |
| 11. Optional review provision | No further reviews available | N/A |
| Overall assessment of consent compliance and environmental performance in respect of this consent | | High |
| Overall assessment of administrative performance in respect of this consent | | High |

The Company received a high rating for consent compliance and administrative performance for Consent 7522-1 for the 2022-2024 monitoring period, as all activities were assessed as compliant with the specified consent conditions.

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

6.5 Alterations and recommendations for 2024-2026

It is proposed that for the 2024-2026 monitoring period the programme is unaltered from that of 2022-2024. It is recommended that monitoring of discharges from the Company's Waiteika Road site in the 2024-2026 period continue at the same level as in 2022-2024, with two inspections per year (one to occur during the summer months, and the other to occur during wet weather), with discharge samples to be collected if warranted.

7. Horizon Trust Management Ltd – Whenuku Road 4th Compliance Monitoring Biennial Report 2022-2024

7.1 Introduction

Horizon Trust Management Ltd (the Company) operates a quarry on Whenuku Road near Normanby. The quarry is located on the true left bank of the Waingongoro River, in the Waingongoro Catchment.

The quarry site is essentially a flat terrace, with the Waingongoro River along the western boundary. The quarry contains predominantly fine-grained river sorted aggregate, which is supplied to a mostly local market. The material is stockpiled onsite as required. Washing is carried out at this site as of October 2019. Site stormwater, washwater, and incidental groundwater is directed through ponds for treatment prior to entering a tributary of the Waingongoro River.

New consents (10017-1.1, 10905-1.0, 10866-1.0, 10865-1.0 and 10864-1.0) have been granted by the Council to expand the quarry and include the following; Expand existing site by 7.6ha, extract a maximum of 1,100,000m³ of material from the new expansion site, deposit cleanfill to site, dewater below water table level to 7-8 meters and to discharge treated stormwater and washwater.



Figure 7 Horizon Trust Management Ltd Whenuku Road quarry site footprint as of May 2022 (Google Earth)

7.2 Resource consents

Table 19 Resource consents held by Horizon Trust Management Ltd for Whenuku Rd Quarry

| Consent number | Purpose | Granted | Review | Expires |
|----------------|--|-----------------|--------------------|-------------|
| 7845-1.2 | To discharge treated stormwater and incidental groundwater from a quarry site through land seepage and into Waingongoro River and its tributary | 09 October 2019 | June 2024 | 1 June 2029 |
| 10018-1 | To take groundwater incidental to quarrying operations | 19 August 2015 | No further reviews | 1 June 2029 |
| 10017-1.1 | To realign and install piping in sections of two unnamed tributaries of the Waingongoro River, including associated disturbance and reclamation of the streambed | 19 January 2024 | June 2025 | 1 June 2029 |
| 10865-1 | To realign a section of an unnamed tributary of the Waingongoro River, including associated streambed disturbance and reclamation | 19 January 2024 | June 2025 | 1 June 2044 |
| 10866-1 | To discharge treated stormwater, wash water and groundwater from a quarry site through seepage to land and via a rock-lined channel to the Waingongoro River | 19 January 2024 | June 2025 | 1 June 2044 |
| 10864-1 | To discharge cleanfill onto and into land | 19 January 2024 | June 2025 | 1 June 2044 |
| 10905-1.0 | To take groundwater associated with quarry excavations | 19 January 2024 | June 2025 | 1 June 2044 |

7.3 Compliance monitoring programme

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

7.4 Environmental and administrative performance summary

Five inspections were undertaken at the Whenuku Road quarry during the 2022-2024 period. Inspections noted the site was well maintained and fully bunded to contain stormwater runoff. Stormwater is directed to a treatment pond system, from which the water can soak to ground or travel via land seepage to the Waingongoro River. Incidental groundwater is pumped from the excavation site, through the ring drain to a storage pond. All aggregate washing occurs using groundwater from the soakage pond, this is reticulated from the wash plant back to the pond.

The Council monitors for possible effects on stream life by conducting a visual inspection of the discharge from the quarry, and the streambed, both up and downstream of the quarry discharge point. During the inspection undertaken on 23 March 2023, turbid discharge was observed entering the Waingongoro river. Three out of the four settlement ponds were due for a clean, therefore not allowing for any settling time for the water. Samples were taken and came back above the consent limit for suspended solids (see Table 20). An abatement notice was issued requiring works to be undertaken to ensure compliance with the resource consent. Further sampling found the abatement notice was being complied with at the time of the inspections. No signs of spills or sheens were noted at any of the inspections.

Table 20 Results of discharge samples 23 March 2023

| Parameter | Units | Immediately u/s Whenuku Quarry Discharge point | Approximately 25m d/s Whenuku Quarry discharge point | Whenuku Quarry discharge point |
|-------------------------------|------------------|--|--|--------------------------------|
| Time of sample collection | NZST | 14:14 | 14:07 | 14:07 |
| Temperature | °C | 14.8 | 15.0 | 18.7 |
| pH | pH units | 7.7 | 7.5 | 8.0 |
| Total hydrocarbons (C7 – C36) | g/m ³ | <0.7 | <0.7 | <0.7 |
| C7 – C9 | g/m ³ | <0.1 | <0.1 | <0.1 |
| C10 – C14 | g/m ³ | <0.2 | <0.2 | <0.2 |
| C15 – C36 | g/m ³ | <0.4 | <0.4 | <0.4 |
| Electrical conductivity | mS/m | 16.1 | 15.0 | 35.6 |
| Suspended Solids | g/m ³ | 5 | 11 | 200 |
| Turbidity | FNU | 3.2 | 12.5 | - |

A tabular summary of the Company's compliance record for the period under review is set out in Tables 21-27.

Table 21 Summary of compliance with Consent 7845-1.2 over the 2022-2024 monitoring period

| Purpose: To discharge treated stormwater and incidental groundwater from a quarry site through land seepage and into Waingongoro River and its tributary | | |
|--|---|----------------------|
| Condition requirement | Means of monitoring during period under review | Compliance achieved? |
| 1. The quarry activity shall be carried out in accordance with the details provided in the application | Site inspections | Yes |
| 2. Maximum stormwater catchment area | Site inspections | Yes |
| 3. Provision of stormwater management plan prior to commencing each stage of quarrying | Stormwater management plan submitted and reviewed 28/07/2022 | Yes |
| 4. Stormwater system to minimise discharges and ensure consent compliance | Consultation and inspection to ensure effective operations system | Yes |
| 5. Settlement pond requirements and capacities | Site inspections | No |
| 6. The obligation described in condition 5 shall cease to apply to an area when it has been stabilised. | N/A | N/A |
| 7. No direct discharge of untreated stormwater, washwater, or groundwater | Inspections of site and river | Yes |
| 8. Notification is required prior to the commencement of each stage of the quarry activity. | Notification received 17/08/2015 | Yes |
| 9. Best practicable option to prevent or minimise adverse effects | Site inspections | No |
| 10. Progressive reinstatement of the quarry to minimise the area of exposed earth | Site inspections | Yes |
| 11. Constituents of the discharge shall meet the consented limits prior to entry into the receiving waters | Samples taken | No |
| 12. The discharge shall not affect the visual clarity of the receiving waters | Visual inspection of river and sample collection if warranted | No |

| Purpose: To discharge treated stormwater and incidental groundwater from a quarry site through land seepage and into Waingongoro River and its tributary | | |
|---|---|-----------------------------|
| Condition requirement | Means of monitoring during period under review | Compliance achieved? |
| 13. Notification required prior to changes in processes | No changes made to operation | N/A |
| 14. Optional review provision | N/A | 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 |

The Company received a rating of good for both environmental and administrative performance for Consent 7845-1.2 during the 2022-2024 monitoring period. Three out of the four settlement ponds needed cleaning which led to no settling time for the water. Discharge causing an increase in suspended solids above the consented limit was observed and an abatement notice was issued.

Table 22 Summary of compliance with Consent 10017-1.0 over the 2022-2024 monitoring period

| Purpose: To realign and install piping in sections of two unnamed tributaries of the Waingongoro River, including associated disturbance and reclamation of the streambed | | |
|--|---|-----------------------------|
| Condition requirement | Means of monitoring during period under review | Compliance achieved? |
| 1. Construction to be carried out in accordance with the application | Consultation and site inspection to ensure compliance | Yes |
| 2. Piping diameter requirements | Consultation and site inspection | Yes |
| 3. Authorises the permanent diversion of stream flow through a reconstructed channel. | Site inspections | Yes |
| 4. New stream channel physical dimension requirements | Site inspections | Yes |
| 5. Fencing, planting and pipe removal responsibilities following the cessation of the quarry operation. | Piping yet to be carried out, and quarry still in operation | N/A |
| 6. New stream channel physical dimension requirements | Site inspections | Yes |
| 7. Wetland construction requirement | Not relevant until condition 5 completed | N/A |
| 8. Physical requirements of the wetland, as well as fencing, planting, and community liaison requirements. | Not relevant until condition 5 completed | N/A |
| 9. Restriction on when in-stream works can take place. | Site inspections, notifications | Yes |
| 10. Provision of fish passage | Not relevant until condition 5 completed | N/A |
| 11. Contouring requirements | Initial works not yet completed | N/A |
| 12. Secondary flow path dimension requirements. | Initial works not yet completed | N/A |
| 13. Manhole requirements | Piping not installed yet | N/A |
| 14. Maintenance of piping and secondary flow path | Works only in initial stages | N/A |
| 15. Construction requirements for completion of the realignment | Works only in initial stages | N/A |
| 16. Rock rip rap armouring requirements | Works only in initial stages | N/A |
| 17. Rock rip rap armouring requirements at the confluence of the new stream channel with the Waingongoro River | Site inspections | Yes |

| Purpose: To realign and install piping in sections of two unnamed tributaries of the Waingongoro River, including associated disturbance and reclamation of the streambed | | |
|--|---|-----------------------------|
| Condition requirement | Means of monitoring during period under review | Compliance achieved? |
| 18. Notification required prior to commencement of each piping and/or realignment work. | Notification received on 21/01/2016 | Yes |
| 19. Riparian fencing and planting requirements | Required riparian planting has taken place but fencing has not been undertaken. | Yes |
| 20. Riparian fencing and planting schedule | Fencing and planting programme has not been followed and completion deadline has been missed. | Yes |
| 21. Control, minimise, and mitigate sediment in the stream | Inspections of the site and receiving waters | Yes |
| 22. Vegetation preservation within 20m of the piped stream. | Works only in initial stages, compliant to date | Yes |
| 23. Stabilisation of earthwork areas following soil disturbance | Site inspections | Yes |
| 24. Responsibilities of the consent holder to remedy adverse effects on the streambed | Inspections of the streambed | Yes |
| 25. Responsibilities of the consent holder in the event that any archaeological remains are discovered | Meets responsibilities | N/A |
| 26. Optional review provision | Next available review June 2023 | N/A |
| Overall assessment of consent compliance and environmental performance in respect of this consent | | Not Applicable |
| Overall assessment of administrative performance in respect of this consent | | Not Applicable |

Many of the consent conditions are not currently applicable in regard to compliance monitoring, as limited stream diversion work has taken place to date. The company received a rating of not applicable for both environmental and administrative performance for Consent 10017-1.0 during the 2022-2024 monitoring period.

Table 23 Summary of compliance with Consent 10018-1.0 over the 2022-2024 monitoring period

| Purpose: To take groundwater incidental to quarrying operations | | |
|---|--|-----------------------------|
| Condition requirement | Means of monitoring during period under review | Compliance achieved? |
| 1. Notification requirement | No notification received, However, quarry was pre-existing | N/A |
| 2. Best practicable option to prevent or minimise adverse effects | Site inspection | Yes |
| 3. Optional review provision | Next available review June 2023 | N/A |
| Overall assessment of consent compliance and environmental performance in respect of this consent | | Good |
| Overall assessment of administrative performance in respect of this consent | | Good |

The Company received a rating of good for consent compliance and administrative performance for Consent 10018-1.0 during the 2022-2024 monitoring period, as all groundwater take activities were assessed as compliant with the specified consent conditions.

Table 24 Summary of compliance with Consent 10865-1.0 over the 2022-2024 monitoring period

| Purpose: To realign a section of an unnamed tributary of the Waingongoro River, including associated stream bed disturbance and relamation | | |
|---|---|-----------------------------|
| Condition requirement | Means of monitoring during period under review | Compliance achieved? |
| 1. Realignment to be carried out in accordance with the application | Site inspection and consultation | N/A |
| 2. Minimise sedimentation and increasing the turbidity of the stream | Site inspection and consultation | N/A |
| 3. Fish passage is not impeded, as far as practicable, during the works | Site inspections and consultation | N/A |
| 4. Channel shall meet specific requirements and representatives from local iwi be invited to site to carry out an inspection and tikanga practices. | Site inspections and consultation | N/A |
| 5. The reconstructed channel shall have a capacity to carry flood flows which is no less than the original stream channel. | Site inspection and consultation | N/A |
| 6. Progressively stabilise, re-contour and re-vegetate any areas disturbed by realignment works | Site inspections | Yes |
| 7. Responsibilities of the consent holder to initiate a Kaitiaki Group made up of representatives local iwi and Horizons Trust Management. Shall send invitations for the first Kaitiaki Group forum within two months of commencement of this consent. | Office assessment and consultation | N/A |
| 8. Responsibilities of the consent holder to provide direction to the contents of the Kaitiaki group | Office assessment and consultation | N/A |
| 9. Responsibilities of the consent holder to invite participants to the Kaitiaki group | Office assessment and consultation | Yes |
| 10. Responsibilities of the consent holder to offer honorarium to the Kaitiakitanga Party members | Office assessment and consultation | N/A |
| 11. Consent lapses on 1 June 2039 | Meets responsibilities | N/A |
| 12. Optional review provision | Next available review June 2025 | N/A |
| Overall assessment of consent compliance and environmental performance in respect of this consent | | Not Applicable |
| Overall assessment of administrative performance in respect of this consent | | Not Applicable |

The company received a rating of not applicable for both environmental and administrative performance for Consent 10865-1.0 during the 2022-2024 monitoring period as this consent has not been exercised yet.

Table 25 Summary of compliance with Consent 10866-1.0 over the 2022-2024 monitoring period

| Purpose: To discharge treated stormwater, wash water and groundwater from a quarry site through seepage to land and via a rock-lined channel to the Waingongoro River | | |
|--|---|-----------------------------|
| Condition requirement | Means of monitoring during period under review | Compliance achieved? |
| 1. The quarry activity shall be carried out in accordance with the details provided in the application | Consultation and site inspection to ensure compliance | N/A |

| Purpose: To discharge treated stormwater, wash water and groundwater from a quarry site through seepage to land and via a rock-lined channel to the Waingongoro River | | |
|---|---|----------------------|
| Condition requirement | Means of monitoring during period under review | Compliance achieved? |
| 2. The site is bunded and contoured. Only discharge of washwater shall be via seepage from the storage ponds to land | Site inspections | Yes |
| 3. Discharge limits-Suspended solids and dissolved oxygen concentration | Visual inspection of river and sample collection if warranted | N/A |
| 4. Access to the discharge point | Site inspection | Yes |
| 5. Access to site from local iwi within 5 working days of requesting | Consultation | N/A |
| 6. Beyond 25m downstream of the discharge point, shall not give rise to any effects on the Waingongoro river. | Inspections of the receiving waters | N/A |
| 7. Beyond 25m downstream of the discharge point, the discharge shall not cause an increase in turbidity of more than 50% | Inspections of the receiving waters | N/A |
| 8. After reasonable mixing, the discharge shall not cause: a change in water temperature of more than 3°C; the pH to beyond the range of 6 to 9; and an increase in suspended solids of more than 10gm ³ | Sample collection if required | N/A |
| 9. Operate and progressively reinstate each extraction area of the quarry | Site inspection | N/A |
| 10. Water meter and a datalogger are installed and maintained at the site of discharge. | Site inspection | N/A |
| 11. Records of water discharged shall be provided to Taranaki Regional Council within 2 hours of being recorded | Office assessment | N/A |
| 12. Documentation provided to Taranaki Regional Council certifying that water measuring and recording equipment has been installed and/or maintained in accordance with specifications | Office assessment | N/A |
| 13. Documentation provided in condition 12, is provided within 30 days | Office assessment | N/A |
| 14. If any measuring or recording equipment breaks down, notify Taranaki Regional Council immediately. Repairs or maintenance to be done by a suitable qualified person | Consultation | N/A |
| 15. Water measuring and recording equipment shall be accessible to Taranaki Regional Council officers at all reasonable times for inspection and/or data retrieval | Site inspection | N/A |
| 16. Local iwi shall be invited to the subject site prior to the rock lined channel detailed engineered drawings being submitted – to provide input into the location and design | Correspondence with company | N/A |

| Purpose: To discharge treated stormwater, wash water and groundwater from a quarry site through seepage to land and via a rock-lined channel to the Waingongoro River | | |
|--|--|----------------------|
| Condition requirement | Means of monitoring during period under review | Compliance achieved? |
| 17. Local iwi shall be invited to undertake cultural monitoring during the construction of the rock lined channel | Correspondence with company | N/A |
| 18. A final copy of the rock lined channel detailed engineered drawings shall be provided to local iwi. | Correspondence with iwi | N/A |
| 19. Final design for the rock lined channel is submitted to Taranaki Regional Council | Office assessment | N/A |
| 20. The rock lined channel is maintained and operated in accordance with the detailed engineered drawings submitted and certified | Site inspection | N/A |
| 21. Local iwi shall be provided the opportunity to comment on the detailed engineered drawings prior to the drawings being submitted | Correspondence with iwi | Yes |
| 22. All comments received by local iwi are incorporated into the rock lined channel design or given justification why they have not been. | Correspondence with company and iwi | Yes |
| 23. Submit a Monitoring and Management Plan | Monitoring plan received. Under review | Yes |
| 24. Amendments to Monitoring and Management Plan | Under review | N/A |
| 25. Implementation of the Monitoring and Management Plan | Correspondence with company | Yes |
| 26. Monitoring and Management Plan shall be prepared by a suitably qualified person(s) | Prepared by WSP | Yes |
| 27. Submit a Stormwater Management Plan | Stormwater Management plan received and accepted on 25/06/2024 | Yes |
| 28. Submit a Contingency Plan | Contingency plan accepted on 25/06/2024 | Yes |
| 29. Initiate a Kaitiaki Group made up of representatives from local iwi | Kaitiaki Group has been formed | Yes |
| 30. The Kaitiaki Group provides the opportunity for local iwi to provide input on the Monitoring and Management Plan, Stormwater Management Plan, the Contingency Plan, realignment and new channel works and discuss monitoring results from all consents | Correspondence with company and iwi | Yes |
| 31. The frequency of meetings shall be determined by local iwi and the consent holder. The consent holder shall record the main points arising from each meeting of the Kaitiaki Group and shall provide a copy of that record to the meeting invitees within a reasonable time. | Correspondence with company and iwi | Yes |

| Purpose: To discharge treated stormwater, wash water and groundwater from a quarry site through seepage to land and via a rock-lined channel to the Waingongoro River | | |
|---|---|-----------------------------|
| Condition requirement | Means of monitoring during period under review | Compliance achieved? |
| 32. The consent holder shall offer an honorarium to Kaitiakitanga Party members to cover reasonable expenses in attending meetings. The consent holder shall also be responsible for any direct costs of running the meetings | Correspondence with company and iwi | Yes |
| 33. Lapse period of 5 years after date of commencement | Correspondence with company | Yes |
| 34. Optional review provision | 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 |

The company received a rating of not applicable for both environmental and administrative performance for Consent 10866-1.0 during the 2022-2024 monitoring period as this consent has not been exercised yet.

Table 26 Summary of compliance with Consent 10905-1.0 over the 2022-2024 monitoring period

| Purpose: To discharge cleanfill onto and into land | | |
|---|---|-----------------------------|
| Condition requirement | Means of monitoring during period under review | Compliance achieved? |
| 1. The activity shall be carried out in accordance with the details provided in the application | Consultation and site inspection to ensure compliance | N/A |
| 2. The discharge of cleanfill shall only occur in extraction areas | Site inspection | N/A |
| 3. Notification required prior to commencement of filling each extraction area | Work has not commenced yet | N/A |
| 4. The contaminants discharged shall be limited to cleanfill and/or inert materials | Site inspection | N/A |
| 5. Contaminants prohibited to enter/be combined with cleanfill | Site inspections | N/A |
| 6. Notify if any material discharged will not be virgin excavated natural material | Consultation and site inspection | N/A |
| 7. Record all material discharged | Office assessment and consultation | N/A |
| 8. Fill site is isolated from any stormwater infiltration | Site inspection | N/A |
| 9. Take all reasonable and necessary steps to minimise effect on the environment | Site inspection | N/A |
| 10. Reinstate each extraction area according to the Quarry Management Plan | Site inspection | N/A |
| 11. Submit a contingency plan | Contingency plan accepted on 25/06/2024 | Yes |
| 12. Initiate Kaitiaki group made up of representatives from local iwi | Kaitiaki group has been formed | Yes |
| 13. Prepare a stormwater management plan | Stormwater management plan accepted on 25/06/2024 | Yes |

| Purpose: To discharge cleanfill onto and into land | | |
|--|--|-----------------------|
| Condition requirement | Means of monitoring during period under review | Compliance achieved? |
| 14. The Kaitiaki Group provides the opportunity for local iwi to provide input on the Monitoring and Management Plan, Stormwater Management Plan, the Contingency Plan, realignment and new channel works and discuss monitoring results from all consents | Correspondence with company and iwi | Yes |
| 15. The frequency of meetings shall be determined by local iwi and the consent holder. The consent holder shall record the main points arising from each meeting of the Kaitiaki Group and shall provide a copy of that record to the meeting invitees within a reasonable time. | Correspondence with company and iwi | Yes |
| 16. The consent holder shall offer an honorarium to Kaitiakitanga Party members to cover reasonable expenses in attending meetings. The consent holder shall also be responsible for any direct costs of running the meetings | Correspondence with company and iwi | Yes |
| 17. Lapse period of 5 years after date of commencement | Correspondence with company | N/A |
| 18. Optional review provision | Next available review June 2025 | Yes |
| Overall assessment of consent compliance and environmental performance in respect of this consent | | Not Applicable |
| Overall assessment of administrative performance in respect of this consent | | Not Applicable |

The company received a rating of not applicable for both environmental and administrative performance for Consent 10905-1.0 during the 2022-2024 monitoring period as this consent has not been exercised yet.

Table 27 Summary of compliance with Consent 10864-1.0 over the 2022-2024 monitoring period

| Purpose: To take groundwater associated with quarry excavations | | |
|--|--|----------------------|
| Condition requirement | Means of monitoring during period under review | Compliance achieved? |
| 1. Groundwater can be taken in the area outlined in the site plan | Site inspection | N/A |
| 2. Groundwater can be used for dust suppression and gravel washing only | Site inspection | N/A |
| 3. The rate of taking shall not exceed 40l/s | Data review | N/A |
| 4. When the flow in the Waingongoro River at SH45 is less than 1548 l/s the rate of taking shall be no more than 100% of the rate of discharge | Data review | N/A |
| 5. Install and maintain a water meter and datalogger | Site inspection | N/A |
| 6. Records of water taken shall be submitted to Taranaki Regional Council within 2 hours of being taken | Office assessment | N/A |
| 7. Documentation in condition 6 is provided within 30 days | Office assessment and consultation | N/A |

| Purpose: To take groundwater associated with quarry excavations | | |
|---|--|----------------------|
| Condition requirement | Means of monitoring during period under review | Compliance achieved? |
| 8. Notify when water meter and datalogger are operational | Correspondence with company | N/A |
| 9. Maintain a continuous record of groundwater level data | Office assessment | N/A |
| 10. Transmit groundwater level data directly to Taranaki Regional Council | Data review | N/A |
| 11. Provide a document from a suitably qualified person certifying that water measuring and recording equipment has been installed/maintained in accordance with the manufacturer's instructions | Office assessment | N/A |
| 12. Notify if any of the measuring or recording equipment breakdown | Consultation | N/A |
| 13. The water measuring and recording equipment shall be accessible at all reasonable times for inspection and/or data retrieval. | Site inspection | N/A |
| 14. Submit a monitoring and management plan | Plan submitted. Under review | Yes |
| 15. Review and amend monitoring and management plan | Under review | N/A |
| 16. Implement monitoring and management plan | Under review | N/A |
| 17. Monitoring and Management Plan shall be prepared by a suitably qualified person(s) | Prepared by WSP | Yes |
| 18. Submit a stormwater management plan | Accepted on 25/06/2024 | Yes |
| 19. Initiate Kaitiaki group made up of representatives from local iwi | Kaitiaki group formed | Yes |
| 20. The Kaitiaki Group provides the opportunity for local iwi to provide input on the Monitoring and Management Plan, Stormwater Management Plan, the Contingency Plan, realignment and new channel works and discuss monitoring results from all consents | Correspondence with company and iwi | Yes |
| 21. The frequency of meetings shall be determined by local iwi and the consent holder. The consent holder shall record the main points arising from each meeting of the Kaitiaki Group and shall provide a copy of that record to the meeting invitees within a reasonable time | Correspondence with company and iwi | Yes |
| 22. The consent holder shall offer an honorarium to Kaitiakitanga Party members to cover reasonable expenses in attending meetings. The consent holder shall also be responsible for any direct costs of running the meetings | Correspondence with company and iwi | Yes |

| Purpose: To take groundwater associated with quarry excavations | | |
|--|--|-----------------------|
| Condition requirement | Means of monitoring during period under review | Compliance achieved? |
| 23. The consent holder shall undertake a one-off pumping test undertaken in general accordance with the methodology presented in the Geosearch document numbered #3028342 dated 8th November 2021 (revised 20 July 2023) | Correspondence with company and iwi | Yes |
| 24. The consent holder shall provide the results and interpretation of the pump test and an assessment of the likely adverse effects of the taking authorised by this consent | Correspondence with company and iwi | Yes |
| 25. Lapse period of 5 years after date of commencement | Correspondence with company | Yes |
| 26. Optional review provision | Next available review June 2025 | N/A |
| Overall assessment of consent compliance and environmental performance in respect of this consent | | Not Applicable |
| Overall assessment of administrative performance in respect of this consent | | Not Applicable |

The company received a rating of not applicable for both environmental and administrative performance for Consent 10864-1.0 during the 2022-2024 monitoring period as this consent has not been exercised yet.

Overall, the consent holder has demonstrated a good level of both environmental and administrative consent compliance during the 2022-2024 period.

7.5 Alterations and recommendations for 2024-2026

It is proposed that for the 2024-2026 monitoring period that the programme will be altered from that of 2022-2024. Horizon Trust was required to submit a Monitoring and Management plan as a condition of the new consents granted. The Monitoring and Management Plan has been drafted and submitted to the Regional Council for review. A new monitoring programme will be implemented after the Monitoring and Management Plan is approved. Until then, it is recommended the monitoring of discharges from the Company's Whenuku Road site in the 2024-2026 period continue at the same level as in 2022-2024, with two inspections per year (one to occur during the summer months, and the other to occur during wet weather), with discharge samples to be collected if warranted.

8. GC Land Holdings Ltd, Windy Point Quarry Ltd – Rangitatau West Road 6th Compliance Monitoring Biennial Report 2022-2024

8.1 Introduction

GC Land Holdings Ltd, Windy Point Quarry Ltd (the Company) operates a quarry located on Rangitatau West Road, in the Waitotara Catchment, 2km from the Makokako Stream.

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



Figure 8 GC Land Holdings Ltd Windy Point Rangitatau West Road quarry site footprint as of May 2022 (Google Earth)

8.2 Resource consents

Table 28 Resource consents held by GC Land Holdings Ltd

| Consent number | Purpose | Granted | Review | Expires |
|----------------|--|------------------|-----------|-------------|
| 9570-1 | To discharge stormwater onto and into land from quarrying activities | 28 May 2013 | N/A | 1 June 2028 |
| 9972-1.2 | To discharge cleanfill onto and into land | 20 November 2014 | June 2028 | 1 June 2034 |

| Consent number | Purpose | Granted | Review | Expires |
|----------------|--|-------------|-----------|-------------|
| 11216-1.0 | To discharge stormwater onto and into land from quarrying activities | 22 May 2024 | June 2028 | 1 June 2040 |

8.3 Compliance monitoring programme

The Company's Rangitatau West Road quarry monitoring programme includes three components, namely: programme liaison and management with consent holders, site inspections, and chemical sampling when required.

8.4 Environmental and administrative performance summary

Four inspections were undertaken at the Rangitatau West Road quarry during the 2022-2024 period. All inspections noted good bunding, with stormwater being directed to a soakage pond system and final dam. No discharge to surface water observed from the dam or soakage holes. Primary method of discharge occurs via land seepage and evaporation in a harsh, windy environment. Site appeared well maintained and tidy throughout the monitoring period. The cleanfill is used very infrequently for topsoil, with inspecting officers notified no material has been accepted for two years. No issues with dust or odour during any of the inspections.



Photo 12 GC Land Holdings Ltd, Windy Point Quarry 29 June 2022

The Company holds consent to discharge stormwater onto and into land at the quarry site, not to surface water. Inspections of the site over the 2022-2024 monitoring period did not note any discharge to, or adverse effects occurring in any surface water system.

A tabular summary of the Company's compliance record for the period under review is set out in Table 29 and Table 30.

Table 29 Summary of compliance with Consent 9570-1 over the 2020-2022 monitoring period

| Purpose: To discharge stormwater onto and into land from quarrying activities | | |
|---|---|-----------------------------|
| Condition requirement | Means of monitoring during period under review | Compliance achieved? |
| 1. Quarry activities shall not exceed two ha at any one time | Site inspections | Yes |
| 2. Settlement ponds and sediments traps must be in place to capture any run-off | Site inspections | Yes |
| 3. Earthworks shall be stabilised with vegetation | Site inspections | Yes |
| 4. Adopt best practicable option | Site inspections | Yes |
| 5. Optional review provision | Next available review June 2028 | N/A |
| Overall assessment of consent compliance and environmental performance in respect of this consent | | High |
| Overall assessment of administrative performance in respect of this consent | | High |

The Company received a high rating for consent compliance and administrative performance for Consent 9570-1 for the 2022-2024 monitoring period, as all quarry activities were assessed as compliant with the specified consent conditions.

Table 30 Summary of compliance with Consent 9972-1.2 over the 2020-2022 monitoring period

| Purpose: To discharge cleanfill onto and into land | | |
|---|---|-----------------------------|
| Condition requirement | Means of monitoring during period under review | Compliance achieved? |
| 1. Cleanfill limited to prescribed area | Site inspections | Yes |
| 2. May only discharge cleanfill / inert materials | Site inspections | Yes |
| 3. No prohibited contaminants to be discharged | Site inspections | Yes |
| 4. Obtain approval from the Council if unsure of status of contaminant | TRC – consent holder liaison | N/A |
| 5. No contaminant to enter surface water or groundwater | Site inspections | Yes |
| 6. Silt retention structures to be installed | Site inspections | Yes |
| 7. Maintain drains to divert stormwater from cleanfill discharge area | Site inspections | Yes |
| 8. Adopt best practicable option to prevent or minimise environmental effect | Site inspections | Yes |
| 9. Reinstatement of site at conclusion of activity | Site inspections | N/A |
| 10. Consent lapse | Consent is in effect | N/A |
| 11. Optional review provision | Next available review June 2028 | N/A |
| Overall assessment of consent compliance and environmental performance in respect of this consent | | High |
| Overall assessment of administrative performance in respect of this consent | | High |

The Company received a high rating for consent compliance and administrative performance for Consent 9972-1.2 for the 2022-2024 monitoring period, as all cleanfill activities were assessed as compliant with the specified consent conditions.

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

8.5 Alterations and recommendations for 2024-2026

It is proposed that for the 2024-2026 monitoring period that the programme is unaltered from that of 2022-2024. It is recommended that monitoring of discharges from the Company's site in the 2024-2026 period continue at the same level as in 2022-2024, with two inspections per year (one to occur during the summer months, and the other to occur during wet weather), with discharge samples to be collected if warranted.

9. R A Wallis Ltd - Lower Glenn Road Quarry 3rd Compliance Monitoring Biennial Report 2022-2024

9.1 Introduction

R A Wallis Ltd (the Company) operates a quarry on Lower Glenn Road located adjacent to the true left bank of the Kaipokonui River, approximately 4km west of Manaia.

The total site is divided into two areas (northern and southern) which are separated by an oxbow feature created by the stream. The quarrying area is divided into three blocks of land that will be excavated and reinstated separately. Previously excavation has only occurred in block two since the quarry's resource consent was granted in 2013. Quarrying activities have recently begun in block one.

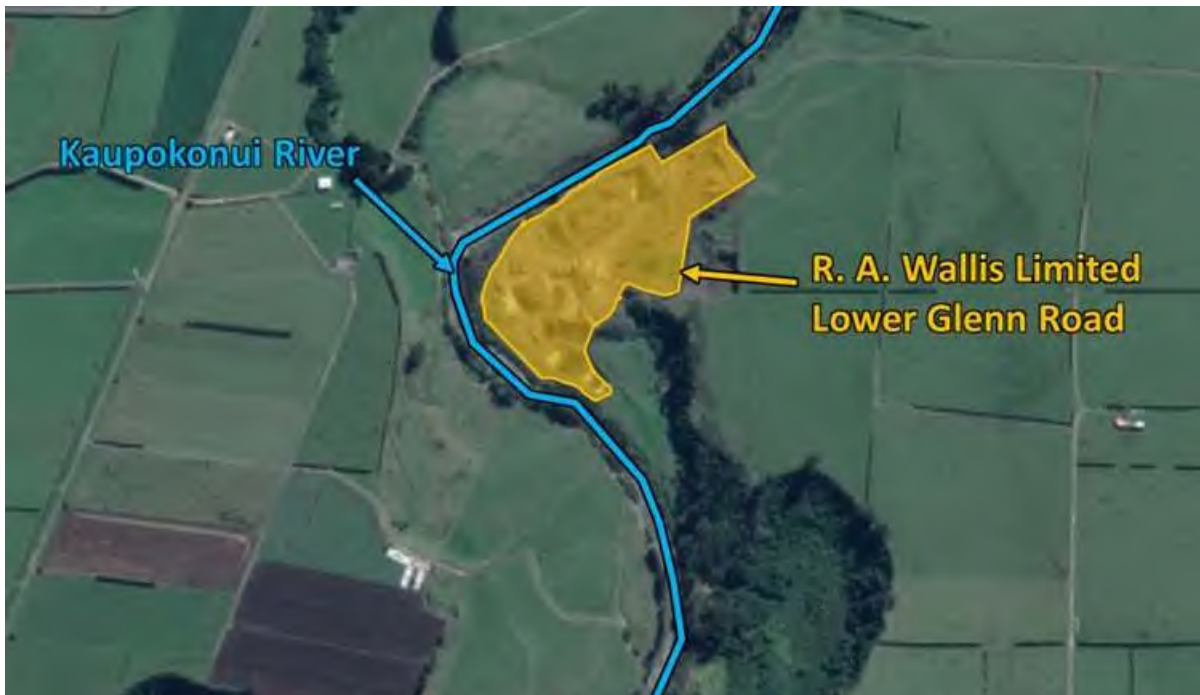


Figure 9 R A Wallis Ltd Lower Glenn Road quarry footprint as of May 2020 (Google Earth)

9.2 Resource consents

Table 31 Resource consents held by R A Wallis Ltd

| Consent number | Purpose | Granted | Review | Expires |
|----------------|--|-----------------|--------|-------------|
| 9600-1 | To discharge stormwater onto and into land from quarrying activities | 19 July 2013 | N/A | 1 June 2029 |
| 10351-1.0 | To disturb the bed of the Kaipokonui Stream | 25 October 2016 | N/A | 1 June 2029 |

9.3 Compliance monitoring programme

The Company's Lower Glenn Road quarry monitoring programme includes three components, namely: programme liaison and management with consent holders, site inspections, and chemical sampling when required.

9.4 Environmental and administrative performance summary

Four compliance monitoring inspections were undertaken at the Lower Glenn Road quarry during the 2022-2024 period. Each inspection observed no evidence of any adverse effects to the Kaipokonui Riverbed caused by erosion or instability associated with quarrying activities. Condition 2 of Consent 10351-1.0 has been assessed as compliant. The riparian planting is well established. Site inspections also noted that the quarry was clean and tidy with no visible sheens or spills.

After an office review of inspections, it was noted there was a potential non-compliance with discharge occurring to the Kaipokonui stream. A follow up inspection was undertaken on 1 October 2024 to assess this. The small sediment pond in the top area of the quarry was found to be overflowing the bunding and running down the bank into the stream. Samples were taken and the results came back showing no significant effects on the receiving waters. The consent holder was made aware of the situation and immediately rectified the issue by diverting the stormwater runoff back to the main settlement ponds. The old quarry area at the far end of the site is well bunded and the settling ponds seem to be working well.



Photo 13 R A Wallis Ltd, Lower Glenn Rd Quarry soakage ponds December 2021

A tabular summary of the Company's compliance record for the period under review is set out in Table 32 and Table 33.

Table 32 Summary of compliance with Consent 9600-1 over the 2022-2024 monitoring period

| Purpose: To discharge stormwater onto and into land | | |
|---|--|----------------------|
| Condition requirement | Means of monitoring during period under review | Compliance achieved? |
| 1. Active quarry area not to exceed 6ha at any one time | Site inspections | Yes |

| Purpose: To discharge stormwater onto and into land | | |
|---|--|----------------------|
| Condition requirement | Means of monitoring during period under review | Compliance achieved? |
| 2. All runoff to pass through ponds or traps of minimum stated capacity | Site inspections | Yes |
| 3. Condition two no longer need apply for areas that have undergone reinstatement | Site inspections | Yes |
| 4. Quarried areas to be reinstated as soon as practicable | Site inspections | Yes |
| 5. Notify the Council seven days prior to commencement of work | Consent holder liaison | Yes |
| 6. Consent holder to adopt best practicable option | Inspections | Yes |
| 7. Consent lapse | Consent has been given effect | N/A |
| 8. Review clause | No further reviews available | N/A |
| Overall assessment of consent compliance and environmental performance in respect of this consent | | High |
| Overall assessment of administrative performance in respect of this consent | | High |

The Company received a high rating for consent compliance and administrative performance for Consent 9600-1 during the 2022-2024 monitoring period, as all quarry activities were assessed as compliant with the specified consent conditions and issues with stormwater overflow were dealt with in a timely manner

Table 33 Summary of compliance with Consent 10351-1.0 over the 2022-2024 monitoring period

| Purpose: To disturb the bed of the Kaupokonui Stream | | |
|---|--|----------------------|
| Condition requirement | Means of monitoring during period under review | Compliance achieved? |
| 1. Disturbance of land as described in application | Site inspections | Yes |
| 2. Maintain riparian margins | Site inspections (noted as compliant 10/11/2020) | Yes |
| 3. Streambed reinstatement responsibilities | Site inspections | Yes |
| 4. Review clause | No further reviews available | N/A |
| Overall assessment of consent compliance and environmental performance in respect of this consent | | High |
| Overall assessment of administrative performance in respect of this consent | | High |

The Company received a high rating for consent compliance and administrative performance for Consent 10351-1.0 during the 2022-2024 monitoring period, as all streambed disturbance activities were assessed as compliant with the specified consent conditions.

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

9.5 Alterations and recommendations for 2024-2026

It is proposed that for the 2024-2026 monitoring period that the programme is unaltered from that of 2022-2024. It is recommended that monitoring of discharges from the Company's Lower Glenn Road quarry site in the 2024-2026 period remain at two inspections per year (one to occur during the summer months, and the other to occur during wet weather), with discharge samples to be collected if warranted.

10. G & G Holdings Ltd – Bird Road 13th Compliance Monitoring Biennial Report 2022-2024

10.1 Introduction

G & G Holdings Ltd (the Company) operates a quarry and shingle washing operation at Bird Road near Toko. The quarry is located on the true right bank of the Patea River, in the Patea Catchment.

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

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

The Quarry has had a recent change in ownership to G & G holdings Ltd.



Figure 10 G & G Holdings Ltd Bird Road quarry site September 2023 (Google Earth)

10.2 Resource consents

Table 34 Resource consent held by G & G Holdings Ltd

| Consent number | Purpose | Granted | Review | Expires |
|----------------|---|----------------|--------|-------------|
| 5002-2 | To discharge treated stormwater and washwater from a quarry and shingle washing operation onto and into land and into an unnamed tributary of the Patea River | 25 August 2010 | N/A | 1 June 2028 |

10.3 Compliance monitoring programme

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

10.4 Environmental and administrative performance summary

Four inspections were carried out at the Bird Road quarry during the 2022-2024 monitoring period. All inspections observed good contouring to divert all surface runoff to the treatment pond system. Settling ponds are also used for aggregate washwater, however, no washing of material was observed during the monitoring period. Discharge from treatment pond system was clear and uncoloured, with no obvious adverse effects on the Patea River receiving environment. Site bunding noted as effective, with no signs of spills or sheens at the quarry.



Photo 14 G & G Holdings Ltd Bird Road quarry site 6 December 2017

The Council monitors for possible effects on stream life by conducting a visual inspection of the discharge from the quarry, and the streambed, both up and downstream of the quarry discharge point. During the inspections the treatment system was discharging frequently, with water clarity being noted as clear and uncoloured. There was no visual effect on receiving waters.

The quarry was not operating continuously throughout the monitoring period. The site was sold by Taunt Contracting to G & G holdings May 2024. The new owners, on the last inspection planned to get the site back to an operational business standard.

A tabular summary of the Company's compliance record for the period under review is set out in Table 35.

Table 35 Summary of compliance with Consent 5002-2 over the 2022-2024 monitoring period

| Purpose: To discharge treated stormwater and washwater from a quarry and shingle washing operation onto and into land and into an unnamed tributary of the Patea River | | |
|--|---|----------------------|
| 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. Sediment control capacity requirements | Site inspections | Yes |
| 3. No direct discharge of untreated stormwater or washwater | Inspections of site and river | Yes |
| 4. Contour and/or bund the active quarry site so that all water is directed for treatment | Site inspections | Yes |
| 5. Constituents of the discharge shall meet the consented limits prior to entry into the receiving waters | Sample collection if warranted | N/A |
| 6. The discharge shall not give rise to physical or chemical changes in the receiving waters | Inspections of river and sample collection if warranted | Yes |
| 7. Maintain a contingency plan | Contingency plan received 17/08/2022 | Yes |
| 8. Optional review provision | No further reviews before the expiry of the consent | N/A |
| Overall assessment of consent compliance and environmental performance in respect of this consent | | High |
| Overall assessment of administrative performance in respect of this consent | | High |

The Company received a high rating for consent compliance and administrative performance for the 2022-2024 monitoring period, as all quarry activities were assessed as compliant with the specified consent conditions.

10.5 Alterations and recommendations for 2024-2026

It is proposed that for the 2024-2026 monitoring period that the programme is unaltered from that of 2022-2024. It is recommended that monitoring of discharges from the Company's Bird Road quarry site in the 2024-2026 period continue at the same level as in 2022-2024, with two inspections per year (one to occur during the summer months, and the other to occur during wet weather), with discharge samples to be collected if warranted.

11. Vickers Quarries Ltd- York Road 22nd Compliance Monitoring Biennial Report 2020-2022

11.1 Introduction

Vickers Quarries Ltd (the Company) operates a quarry on York Road adjacent to the Egmont National Park, approximately 6km west of Midhurst. The site was first excavated in 1945 and has since been operated by various companies. Vickers Quarries Ltd began operating at this quarry in 1996.



Figure 11 Vickers Quarries Ltd York Road quarry site as of November 2019 (Google Earth)

The quarry is separated into two main areas: a bottom site and a top site. Site access from York Road leads directly to the bottom site, which is bounded by the Manganui River and an unnamed tributary of the Waipuku Stream. The area contains offices, stockpiles, processing and load out areas, a wash plant and settlement ponds. Service water is recycled for aggregate washing. The treated stormwater and washwater discharge from this part of the quarry is directed to the unnamed tributary of the Waipuku Stream.

A 500m access road connects the bottom site to the top site. This top site was originally bounded by Te Papakura o Taranaki, the Manganui River and the unnamed tributary of the Waipuku Stream. However, the quarry has since expanded north to the other side of this tributary. Excavation efforts are now focused on the expanded site north of the tributary. Currently, stormwater from this excavation area is directed back down the access road and piped across the tributary into the bottom site, where it then enters the settlement ponds. Once the quarry floor is low enough, the stormwater will be redirected to the settlement pond system in the top site. These top settlement ponds currently treat the stormwater and incidental groundwater generated in the top site. The ponds discharge into an unnamed tributary of the Manganui River.

11.2 Resource consents

Table 36 Resource consents held by Vickers Quarries Ltd

| Consent number | Purpose | Granted | Review | Expires |
|----------------|--|----------------|--------|-------------|
| 4905-3.1 | To discharge treated stormwater, groundwater and washwater from a quarry site onto and into land and into an unnamed tributary of the Waipuku Stream | 22 May 2014 | N/A | 1 June 2027 |
| 5218-2.1 | To discharge treated stormwater and groundwater seepage from quarry operations into an unnamed tributary of the Manganui River | 22 May 2014 | N/A | 1 June 2027 |
| 7360-1 | To erect, place and maintain a rock rip-rap wall to the left bank of the Manganui River for erosion control purposes at or about (NZTM) 1702246E-5650163 and 1702541E-5650262N | 18 August 2008 | N/A | 1 June 2027 |
| 9850-1.0 | To take groundwater incidental to quarry operations | 22 May 2014 | N/A | 1 June 2027 |
| 9812-1.1 | To disturb and reclaim the streambed sections of unnamed tributaries of Waipuku Stream, in association with quarry operations | 22 May 2014 | N/A | 1 June 2027 |

11.3 Compliance monitoring programme

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

11.4 Environmental and administrative performance summary

Four compliance monitoring inspections were undertaken at the Vickers quarry on York Road during the 2022-2024 period. These inspections noted the treatment systems were in good working order, with stormwater runoff, washwater and groundwater contained onsite. The upper section of quarry offers treatment of stormwater runoff and incidental groundwater from the active excavation site. Discharge from the upper site is to the unnamed tributary of the Manganui River, this was observed to be visually clear with no evidence of discolouration or sediment build up in the receiving environment. The bottom section of the Vickers quarry site directs stormwater and washwater through a treatment system with a series of ponds, before discharging to the Waipuku Stream. Inspections observed the discharge to be clear and uncoloured with no apparent negative effects on the Waipuku Stream receiving environment. Treatment systems throughout the site appear well maintained and managed, with no excessive sediment build up present. The quarry is well contoured and bunded, no evidence of stormwater runoff breaching the boundary of the site. No signs of hydrocarbon spills or sheens during routine inspections. No evidence of erosion on the banks of either of the unnamed tributaries. Buffer zones well maintained on the Waipuku Stream boundary, no signs of excavation in these areas.



Photo 15 Vickers Quarries Ltd York Road settlement ponds 24 February 2024

The Council monitors for possible effects on stream life by conducting a visual inspection of the discharge from the quarry, and the streambed, both up and downstream of the quarry discharge point. During each inspection discharge from the site was clear, with no adverse effects occurring in any receiving waters. During the inspection on 23 February 2024, there was a build-up of sediment along the stream edge at the discharge point. However, the streambed was clear and did not indicate any adverse effects in the unnamed tributary of the Waipuku Stream.

A tabular summary of the Company's compliance record for all consents for the period under review is set out in Table 37-41.

Table 37 Summary of compliance with Consent 4905-3.1 over the 2022-2024 monitoring period

| Purpose: To discharge treated stormwater, groundwater and washwater onto and into land and into an unnamed tributary of the Waipuku Stream | | |
|--|--|----------------------|
| Condition requirement | Means of monitoring during period under review | Compliance achieved? |
| 1. Provision of quarry stage plan | Received 15/12/2015 | Yes |
| 2. Buffer zone requirements | Site inspections | Yes |
| 3. Provision of stormwater management plan | Plan received on 25/09/2018 | Yes |
| 4. Adopt best practicable option | Site inspections | Yes |
| 5. Progressive reinstatement to minimise exposed earth | Site inspections | Yes |
| 6. Stormwater catchment area limit | Site inspections | Yes |
| 7. Operation and maintenance of settlement ponds | Site inspections | Yes |
| 8. No direct discharge of untreated stormwater or groundwater | Site inspections | Yes |

| Purpose: To discharge treated stormwater, groundwater and washwater onto and into land and into an unnamed tributary of the Waipuku Stream | | |
|---|---|-----------------------------|
| Condition requirement | Means of monitoring during period under review | Compliance achieved? |
| 9. Limits on constituents of discharge | No samples taken | N/A |
| 10. Discharge shall not give rise to adverse effects in receiving waters | Site inspections | Yes |
| 11. Turbidity / suspended solids limits downstream of discharge | No samples taken | N/A |
| 12. Isolation and re-circulation of washwater system | Site inspections | Yes |
| 13. Notification prior to change in quarry operation | Consent holder liaison | Yes |
| 14. Review clause | Next optional review June 2024 | N/A |
| Overall assessment of consent compliance and environmental performance in respect of this consent | | High |
| Overall assessment of administrative performance in respect of this consent | | High |

The Company received a high rating for consent compliance and administrative performance for Consent 4905-3.1 during the 2022-2024 monitoring period, as all quarry activities were assessed as compliant with specified consent conditions.

Table 38 Summary of compliance with Consent 5218-2.1 over the 2022-2024 monitoring period

| Purpose: To discharge treated stormwater and groundwater seepage into an unnamed tributary of the Manganui River | | |
|---|---|-----------------------------|
| Condition requirement | Means of monitoring during period under review | Compliance achieved? |
| 1. Provision of quarry stage plan | Received 15/12/2015 | Yes |
| 2. Buffer zone requirements | Site inspections | Yes |
| 3. Provision of stormwater management plan | Plan received on 25/09/2018 | Yes |
| 4. Adopt best practicable option | Site inspections | Yes |
| 5. Progressive reinstatement to minimise exposed earth | Site inspections | Yes |
| 6. Stormwater catchment area limit | Site inspections | Yes |
| 7. Operation and maintenance of settlement ponds | Site inspections | Yes |
| 8. No direct discharge of untreated stormwater or groundwater | Site inspections | Yes |
| 9. Limits on constituents of discharge | No samples taken | N/A |
| 10. Discharge shall not give rise to adverse effects in receiving waters | Site inspections | Yes |
| 11. Turbidity / suspended solids limits downstream of discharge | No samples taken | N/A |
| 12. Notification prior to change in quarry operation | Consent holder liaison | Yes |
| 13. Review clause | Next optional review June 2024 | N/A |
| Overall assessment of consent compliance and environmental performance in respect of this consent | | High |
| Overall assessment of administrative performance in respect of this consent | | High |

The Company received a high rating for consent compliance and administrative performance for Consent 5218-2.1 during the 2022-2024 monitoring period, as all quarry activities were assessed as compliant with specified consent conditions.

Table 39 Summary of compliance with Consent 7360-1 over the 2022-2024 monitoring period

| Purpose: To erect, place and maintain a rock rip-rap wall to the left bank of the Manganui River for erosion control purposes at or about (NZTM) 1702246E-5650163 and 1702541E-5650262N | | |
|--|--|-----------------------------|
| Condition requirement | Means of monitoring during period under review | Compliance achieved? |
| 1. Exercise consent in accordance with application | Site inspections | Yes |
| 2. Restrictions on when works can take place | Site inspections and consent holder liaison | Yes |
| 3. Notification requirement | No notifications received | Yes |
| 4. Minimise and reinstate riverbed disturbance | Site inspections | Yes |
| 5. Minimise and mitigate sediment discharge | Site inspections | Yes |
| 6. Remove structure and reinstate area when structure is no longer required | Site inspections and consent holder liaison – Structure still in use | N/A |
| 7. Maintain natural river flow and fish passage | Site inspections | Yes |
| 8. Lapse clause | Consent is in effect. | N/A |
| 9. Review clause | N/A | N/A |
| Overall assessment of consent compliance and environmental performance in respect of this consent | | High |
| Overall assessment of administrative performance in respect of this consent | | High |

The Company received a high rating for consent compliance and administrative performance for Consent 7360-1 during the 2022-2024 period, as all erosion control activities were assessed as compliant with the specified consent conditions.

Table 40 Summary of compliance with Consent 9850-1.0 over the 2022-2024 monitoring period

| Purpose: To take groundwater incidental to quarry operations | | |
|---|---|-----------------------------|
| Condition requirement | Means of monitoring during period under review | Compliance achieved? |
| 1. Provision of quarry stage plan | Received 15/12/2015 | Yes |
| 2. Buffer zone requirements | Site inspections | Yes |
| 3. Provision of stormwater management plan | Plan received on 25/09/2018 | Yes |
| 4. Groundwater take incidental to quarrying activities | Site inspections | Yes |
| 5. Notification prior to work commencement | Consent holder liaison | Yes |
| 6. Adopt best practicable option | Site inspections | Yes |
| 7. Consent lapse | Consent has been exercised | N/A |
| 8. Review clause | Next optional review June 2024 | N/A |
| Overall assessment of consent compliance and environmental performance in respect of this consent | | High |
| Overall assessment of administrative performance in respect of this consent | | High |

The Company received a high rating for consent compliance and administrative performance for Consent 9850-1.0 during the 2022-2024 monitoring period, as all groundwater take activities were assessed as compliant with specified consent conditions.

Table 41 Summary of compliance with Consent 9812-1.1 over the 2022-2024 monitoring period

| Purpose: To disturb and reclaim the streambed sections of unnamed tributaries of Waipuku Stream | | |
|--|--|-----------------------------|
| Condition requirement | Means of monitoring during period under review | Compliance achieved? |
| 1. Provision of quarry stage plan | Received 15/12/2015 | Yes |
| 2. Buffer zone requirements | Site inspections | Yes |
| 3. Provision of stormwater management plan | Plan received on 25/09/2018 | Yes |
| 4. Streambed disturbance and reclamation to comply with stormwater management plan | N/A – streambed disturbance activities not carried out | N/A |

| Purpose: To disturb and reclaim the streambed sections of unnamed tributaries of Waipuku Stream | | |
|---|--|----------------------|
| Condition requirement | Means of monitoring during period under review | Compliance achieved? |
| 5. Adopt best practicable option | N/A – streambed disturbance activities not carried out | N/A |
| 6. Notification prior to work commencement | N/A – streambed disturbance activities not carried out | N/A |
| 7. Consent lapse | Lapse date 1 June 2027 – consent not yet exercised | N/A |
| 8. Review clause | Next optional review June 2024 | N/A |
| Overall assessment of consent compliance and environmental performance in respect of this consent | | High |
| Overall assessment of administrative performance in respect of this consent | | High |

The Company received a high rating for consent compliance and administrative performance for Consent 9812-1.1 during the 2022-2024 monitoring period, as compliance was recorded for the specified consent conditions that were assessed. The consent was not exercised during the monitoring period, with streambed disturbance activities not yet carried out.

Overall, the consent holder has demonstrated a high level of consent compliance and administrative performance with all consents held.

11.5 Alterations and recommendations 2022-2024

It is proposed that for the 2024-2026 monitoring period that the programme is unaltered from that of 2022-2024. It is recommended that monitoring of the Vickers York Road site in the 2024-2026 period remain at two inspections per year (one to occur during the summer months, and the other to occur during wet weather), with discharge samples to be collected if warranted.

Bibliography and references

Ministry for the Environment. 2018. Best Practice Guidelines for Compliance, Monitoring and Enforcement under the Resource Management Act 1991. Wellington: Ministry for the Environment.

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 for the Southern 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: Bunn Earthmoving Ltd
PO Box 171
Stratford 4352

Decision Date: 2 February 2018

Commencement Date: 2 February 2018

Conditions of Consent

Consent Granted: To discharge treated stormwater from a quarry site, into the Mangamawhete Stream

Expiry Date: 1 June 2033

Review Date(s): June 2021, June 2027

Site Location: 756 Surrey Road, Tariki

Grid Reference (NZTM) 1702070E-5652811N

Catchment: Waitara

Tributary: Manganui
Mangamawhete

*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 the Mangamawhete Stream, as described in the information provided with the application. In the case of any contradiction between the details of information provided and the conditions of this consent, the conditions of this consent shall prevail.
2. This consent does not authorise any discharge from aggregate-washing.
3. The stormwater treatment system shall be constructed in general accordance with the plan attached as Appendix 1.
4. The site shall be operated in accordance with a 'Management Plan' prepared by the consent holder and approved by the Chief Executive, Taranaki Regional Council, acting in a certification capacity. The plan shall detail how the stormwater treatment system will be effectively operated and maintained in such a manner that the discharge complies with the conditions of the consent, and shall include as minimum:
 - a) maintenance and cleaning out of 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 (perimeter bund etc.).
5. 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.
6. 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.
7. The consent holder shall ensure that at any one time the stormwater catchment of the discharge and the area exposed is no greater than 1.3 ha.

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 recoverable hydrocarbons | Concentration not greater than 15 gm ⁻³ |

This condition shall apply before entry of the treated stormwater into the Mangamawhete Stream 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:
- 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.
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:
- an increase in the suspended solids concentration greater than 10 gm⁻³ when the turbidity as measured immediately upstream of the discharge point is equal to or less than 5 NTU (nephelometric turbidity units); or
 - an increase in the turbidity of more than 50%, where the stream turbidity measured upstream of the discharge is greater than 5 NTU, as determined using NTU (nephelometric turbidity units).
11. 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.
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 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 10527-1.0

13. This consent shall lapse on 31 March 2023, unless the consent is given effect to before the end of that period or the Taranaki Regional Council fixes a longer period pursuant to section 125(1)(b) of the Resource Management Act 1991.
14. In accordance with section 128 and section 129 of the Resource Management Act 1991, the Taranaki Regional Council may serve notice of its intention to review, amend, delete or add to the conditions of this resource consent by giving notice of review during the month of June 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 2 February 2018

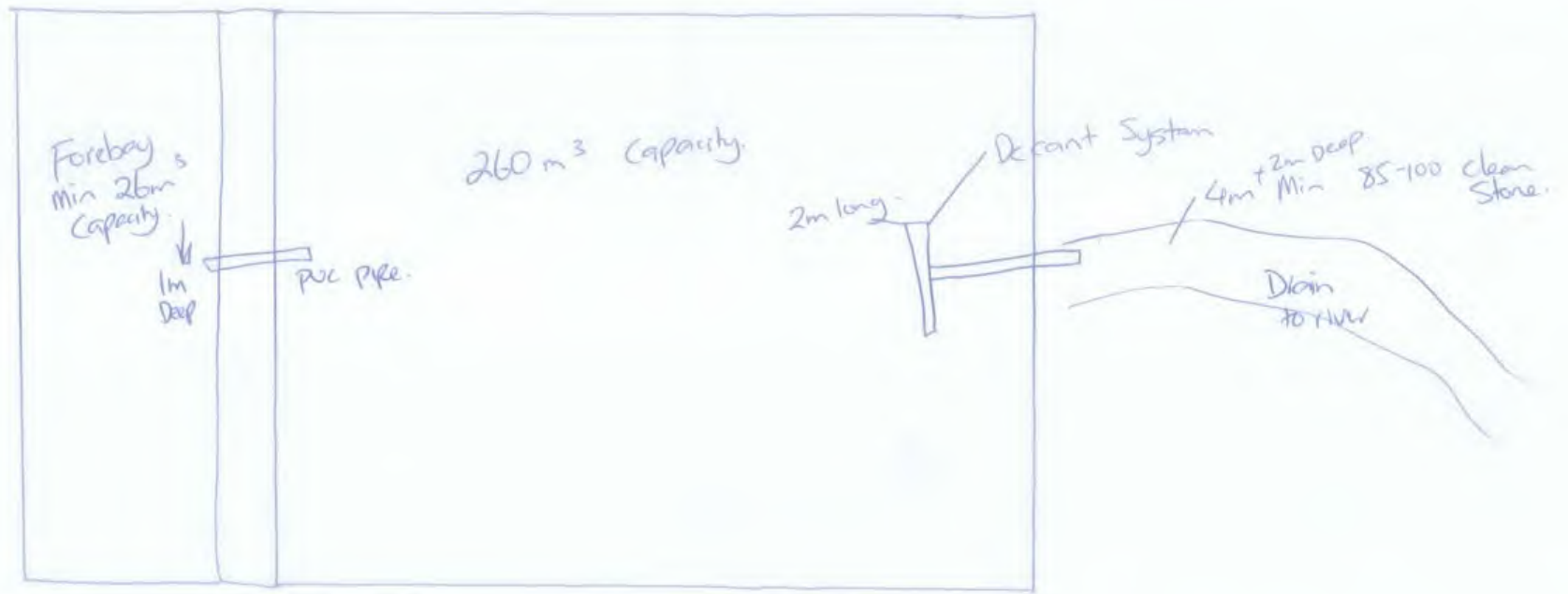
For and on behalf of
Taranaki Regional Council

A D McLay
Director - Resource Management

Appendix 1: Pond design

1.3 Ha area total @ 2% = 260 m³

T bar decant



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

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

Decision Date: 30 July 2010

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

Conditions of Consent

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

Expiry Date: 1 June 2022

Review Date(s): June 2010, June 2016

Site Location: East Road, Toko, Stratford

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

Catchment: Patea

*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 in accordance with the documentation submitted in support of application 3439, but subject to the conditions of this consent. In the case of any contradiction between the documentation submitted in support of application 3439 and the conditions of this consent, the conditions of this consent shall prevail.
2. The contaminants to be discharged shall be limited to cleanfill and/or inert materials. For the purposes of this condition, "clean fill and inert materials" are defined as materials consisting of any concrete, cement or cement wastes, bricks, mortar, tiles [clay, ceramic or concrete], non-tanalised timber, porcelain, glass, gravels, boulders, shingles, fibreglass, plastics, sand, soils and clays, and/or tree stumps and roots, whether singly or in combination or mixture, or any other material [subject to conditions 3 & 5] that when placed onto and into land will not render that land or any vegetation grown on that land toxic to vegetation or animals consuming vegetation.
3. The discharge of the following contaminants shall not occur: food wastes, paper and cardboard, grass clippings, garden wastes including but not limited to wastes containing foliage or other vegetation [other than tree stumps and roots as permitted under condition 2], textiles, steel, galvanised metals, construction materials containing paint or fillers or sealers or their containers, oils or greases or any liquids or sludges or their containers, any industrial process by-products other than as permitted under condition 2, any poisons or solvents or their containers, batteries, general domestic refuse not otherwise described, or any wastes with the potential to render land or any vegetation grown on the land toxic to vegetation or to animals consuming such vegetation.
4. If the consent holder is uncertain as to the acceptability or not of a certain material the consent holder shall obtain written approval from the Consents Manager, Taranaki Regional Council, prior to its discharge.
5. The discharge to land shall not result in any contaminant entering surface water or groundwater.

Consent 6505-1

6. Silt retention structures shall be installed and maintained to the satisfaction of the Chief Executive, Taranaki Regional Council.
7. The consent holder shall install and maintain stormwater diversion drains to minimise stormwater movement across, or ponding on the site, to the satisfaction of the Chief Executive, Taranaki Regional Council.
8. Within three months of granting of this consent the consent holder shall prepare and maintain a cleanfill management plan to the satisfaction of the Chief Executive, Taranaki Regional Council, and shall adhere to such plan in so far as it concerns the exercise of this consent at all times.
9. Notwithstanding any conditions within this consent, the consent holder shall at all times adopt the best practicable option or options [as defined in section 2 of the Resource Management Act 1991] to prevent or minimise any actual or potential effect on the environment arising from any discharge at the site.
10. Upon completion of the works associated with the exercise of this consent, the discharge site covered by this consent shall be stabilised and revegetated to the satisfaction of the Chief Executive, Taranaki Regional Council.
11. In accordance with section 128 and section 129 of the Resource Management Act 1991, the Taranaki Regional Council may serve notice of its intention to review, amend, delete or add to the conditions of this resource consent by giving notice of review during the month of June 2010 and/or June 2016, for the purpose of ensuring that the conditions are adequate to deal with any adverse effects on the environment arising from the exercise of this resource consent, which were either not foreseen at the time the application was considered or which it was not appropriate to deal with at the time.

Signed at Stratford on 30 July 2010

For and on behalf of
Taranaki Regional Council

Director-Resource Management

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

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

Decision Date: 10 September 2012

Commencement
Date: 10 September 2012

Conditions of Consent

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

Expiry Date: 1 June 2028

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

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

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

Catchment: Patea

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

General condition

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

Special conditions

1. Any discharge from the quarry shall be treated in a settlement pond of no less than 6000 m³.
2. The consent holder shall ensure that the quarrying operations are implemented in progressive stages, with only one active area of the quarry being open at any one time. This shall be undertaken in accordance with the details provided in the map and table attached as Appendix 2.
3. Within 3 months of the commencement of work on any new stage of the quarrying operations, the consent holder shall ensure that the previous stage of quarrying operations is reinstated to the satisfaction of the Chief Executive, Taranaki Regional Council.
4. This consent does not authorise discharge from any aggregate washing.
5. The active quarry site shall be contoured and bunded so that all water in this area is directed to the settlement pond for treatment prior to discharge, and the flow of uncontaminated stormwater into this area is prevented, as far as is practicable.
6. The concentration of Suspended Solids shall not exceed 50 gm⁻³ in any discharge. This condition shall apply prior to the entry of any discharge into the receiving waters of the unnamed tributary of the Patea River, at the Taranaki Regional Council's designated sampling point **STW002029**.
7. After allowing for reasonable mixing within a mixing zone extending 10 metres downstream of the discharge point, the discharge shall not give rise to any of the following effects in the receiving waters of the unnamed tributary of the Patea River:
 - a) the production of any conspicuous oil or grease films, scums or foams, or floatable or suspended materials;
 - b) any conspicuous change in the colour or visual clarity;
 - c) any emission of objectionable odour;
 - d) the rendering of fresh water unsuitable for consumption by farm animals;
 - e) any significant adverse effects on aquatic life.
8. This consent shall lapse on 30 September 2017, unless the consent is given effect to before the end of that period or the Taranaki Regional Council fixes a longer period pursuant to section 125(1)(b) of the Resource Management Act 1991.

Consent 7963-1

9. In accordance with section 128 and section 129 of the Resource Management Act 1991, the Taranaki Regional Council may serve notice of its intention to review, amend, delete or add to the conditions of this resource consent by giving notice of review during the month of June 2014 and/or June 2016 and/or June 2019 and/or June 2022, for the purpose of ensuring that the conditions are adequate to deal with any adverse effects on the environment arising from the exercise of this resource consent, which were either not foreseen at the time the application was considered or which it was not appropriate to deal with at the time.

Signed at Stratford on 10 September 2012

For and on behalf of
Taranaki Regional Council

Director-Resource Management

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



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

Name of Consent Holder: Burgess Crowley Partnership
PO Box 150
Inglewood 4347

Decision Date (Change): 11 September 2018

Commencement Date (Change): 11 September 2018 (Granted Date: 10 September 2012)

Conditions of Consent

Consent Granted: To take and divert groundwater in the vicinity of the Patea River and the 'Toko Wetland' incidental to quarrying activities

Expiry Date: 1 June 2028

Review Date(s): June 2019, June 2022

Site Location: 526 East Road, Stratford

Grid Reference (NZTM) 1717171E-5643429N

Catchment: Patea

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

General condition

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

Special conditions

1. Before 30 November 2018, the consent holder shall install, and thereafter maintain:
 - (a) a piezometer that enables monitoring of the groundwater level between the active quarry and the wetland at a location approved by the Chief Executive, Taranaki Regional Council; and
 - (b) a staff gauge that monitors the water level in the Toko Wetland.

Within 3 months of being installed the piezometer and the staff gauge shall have their elevations determined by a survey so that the water level in each can be measured to the same datum.

2. The consent holder shall maintain a record of the water levels in the piezometer and the water levels in the staff gauge (to an accuracy of ± 10 mm) by recording the water levels and the date and time of the reading at monthly intervals. This record shall be provided to the Chief Executive, Taranaki Regional Council, no later than 31 July of each year, or earlier upon request.
3. The piezometer shall be accessible to Taranaki Regional Council officer's at all reasonable times for inspection.
4. This consent shall lapse on 30 September 2017, unless the consent is given effect to before the end of that period or the Taranaki Regional Council fixes a longer period pursuant to section 125(1)(b) of the Resource Management Act 1991.
5. In accordance with section 128 and section 129 of the Resource Management Act 1991, the Taranaki Regional Council may serve notice of its intention to review, amend, delete or add to the conditions of this resource consent by giving notice of review during the month of June 2014 and/or June 2016 and/or June 2019 and/or June 2022, for the purpose of ensuring that the conditions are adequate to deal with any adverse effects on the environment arising from the exercise of this resource consent, which were either not foreseen at the time the application was considered or which it was not appropriate to deal with at the time.

Signed at Stratford on 11 September 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: Dennis Mark & Diane Lillian Bourke
158 Onewhaia Road
R D 13
HAWERA 4673

Decision Date: 19 January 2012

Commencement
Date: 19 January 2012

Conditions of Consent

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

Expiry Date: 1 June 2029

Review Date(s): June 2017, June 2023

Site Location: Onewhaia Road, Te Roti

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

Catchment: Waingongoro

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

General condition

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

Special conditions

1. The consent holder shall at all times adopt the best practicable option, as defined in section 2 of the Resource Management Act 1991, to prevent or minimise any adverse effects on the environment from the exercise of this consent.
2. No aggregate washing shall take place at the quarry site.
3. All runoff from any unvegetated area shall pass through a settlement pond or sediment trap with a minimum total capacity of:
 - a) 100 cubic metres for every hectare of exposed soil between 1 November to 30 April; and
 - b) 200 cubic metres for every hectare of exposed soil between 1 May to 31 October;unless other sediment control measures that achieve an equivalent standard are agreed to by the Chief Executive of the Taranaki Regional Council.
4. There shall be no direct discharge of untreated stormwater into surface water as a result of the exercise of this consent.
5. The active quarry site shall be contoured/bunded to:
 - ensure that all water generated in this area is directed to the stormwater treatment system prior to discharge; and
 - prevent the flow of uncontaminated stormwater into this area.
6. Constituents of the discharge shall meet the standards shown in the following table.

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

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

7. After allowing for reasonable mixing, within a mixing zone extending 25 metres downstream of the confluence with the unnamed tributary with the Patea River, the discharge shall not give rise to any or all of the following effects in the receiving water of the Patea River:
 - a) an increase of pH by more than 0.5 pH units;
 - b) the production of any conspicuous oil or grease films, scums or foams, or floatable or suspended materials;
 - c) any conspicuous change in colour or visual clarity;
 - d) any emission of objectionable odour;
 - e) the rendering of fresh water unsuitable for consumption by farm animals;
 - f) any significant adverse effects on aquatic life.

Consent 5001-2

8. The consent holder shall maintain a contingency plan. The contingency plan shall be adhered to in the event of a spill or emergency and shall, to the satisfaction of the Chief Executive, Taranaki Regional Council, detail measures and procedures to be undertaken to prevent spillage or accidental discharge of contaminants not authorised by this consent and measures to avoid, remedy or mitigate the environmental effects of such a spillage or discharge.
9. In accordance with section 128 and section 129 of the Resource Management Act 1991, the Taranaki Regional Council may serve notice of its intention to review, amend, delete or add to the conditions of this resource consent by giving notice of review during the month of June 2017 and/or June 2023 for the purpose of ensuring that the conditions are adequate to deal with any adverse effects on the environment arising from the exercise of this resource consent, which were either not foreseen at the time the application was considered or which it was not appropriate to deal with at the time.

Signed at Stratford on 19 January 2012

For and on behalf of
Taranaki Regional Council

Director-Resource Management

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

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

Decision Date: 12 June 2014

Commencement Date: 12 June 2014

Conditions of Consent

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

Expiry Date: 01 June 2029

Review Date(s): June 2017, June 2023

Site Location: Onewhaia Road, Te Roti

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

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

Catchment: Waingongoro

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

General condition

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

Special conditions

1. All contaminated groundwater shall be directed through the newly constructed drains and treated in a settlement pond, constructed between approximate grid references (NZTM) 1707368E-5627083N and 1707328E-5627118N, prior to the discharge into the Waingongoro River.
2. The settlement pond shall have capacity of no less than 168 m³.
3. The discharge outlet into the Waingongoro River shall be designed and located such that there will be no backflow from the river into the settlement pond.
4. The consent holder shall properly maintain and operate the settling pond system, including the use of shut off valves, in such a manner that any discharge which may occur does not breach the conditions of this consent. The settling pond system shall be operated, as far as practicable, so as to minimise the duration and frequency of discharges.
5. There shall be no direct discharge of untreated contaminated groundwater into any surface water.
6. The consent holder shall at all times adopt the best practicable option, as defined in the Resource Management Act 1991, to prevent or minimise any adverse effects of the discharge to the environment.
7. Constituents of the discharge shall meet the standards shown in the following table.

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

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

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

Consent 9933-1.0

9. After allowing for reasonable mixing, within a mixing zone extending 25 metres downstream of any discharge point, the discharge shall not give rise to any of the following effects in the receiving waters:
 - a) an increase in the suspended solids concentration within the Waingongoro River in excess of 10 grams per cubic metre when the turbidity as measured immediately upstream of the discharge point is equal to or less than 5 NTU (nephelometric turbidity units); or
 - b) an increase in the turbidity within the Waingongoro River of more than 50%, where the stream turbidity measured upstream if the discharge is greater than 5 NTU, as determined using NTU.
10. The treatment system shall be bunded, with silt control measures permanently installed around the bund, to prevent the inflow of stormwater from any other surrounding areas of the quarry.
11. The consent holder shall maintain and regularly update a 'Contingency Plan' that details measures and procedures that will be undertaken in the event of spillage or accidental discharge of contaminants not authorised by this consent. The plan shall be approved by the Chief Executive, Taranaki Regional Council, acting in a certification capacity as being adequate to avoid, remedy or mitigate the environmental effects of such an event.
12. The consent holder shall notify the Chief Executive, Taranaki Regional Council, prior to making any changes to the processes or operations undertaken at the site, or the chemicals used or stored on site that could alter the nature of the discharge. Any such change shall then only occur following receipt of any necessary approval under the Resource Management Act. Notification shall include the consent number, a brief description of the activity consented and an assessment of the environmental effects of any changes, and be emailed to consents@trc.govt.nz.
13. This consent shall lapse on 30 June 2019, unless the consent is given effect to before the end of that period or the Taranaki Regional Council fixes a longer period pursuant to section 125(1)(b) of the Resource Management Act 1991.
14. In accordance with section 128 and section 129 of the Resource Management Act 1991, the Taranaki Regional Council may serve notice of its intention to review, amend, delete or add to the conditions of this resource consent by giving notice of review during the month of June 2017 and/or June 2023, for the purpose of ensuring that the conditions are adequate to deal with any adverse effects on the environment arising from the exercise of this resource consent, which were either not foreseen at the time the application was considered or which it was not appropriate to deal with at the time.

Signed at Stratford on 12 June 2014

For and on behalf of
Taranaki Regional Council

A D McLay
Director - Resource Management

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

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

Decision Date: 12 June 2014

Commencement Date: 12 June 2014

Conditions of Consent

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

Expiry Date: 01 June 2029

Review Date(s): June 2017, June 2023

Site Location: Onewhaia Road, Te Roti

Legal Description: Te-Rua-O-Te-Moko 1C1 Pt 1C2 Blk I Hawera SD
(Site of take)

Grid Reference (NZTM) 1707328E-5627118N

Catchment: Waingongoro

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

General condition

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

Special conditions

1. The taking of groundwater shall be incidental to the quarrying activities at the site.
2. The consent holder shall notify the Chief Executive, Taranaki Regional Council, in writing of the date that the activity is expected to commence. Notification shall occur by email to worknotification@trc.govt.nz and be provided at least 2 working days before.
3. At all times the consent holder shall adopt the best practicable option to prevent or minimise any actual or likely adverse effect on the environment associated with the abstraction of groundwater.
4. This consent shall lapse on 30 June 2019, unless the consent is given effect to before the end of that period or the Taranaki Regional Council fixes a longer period pursuant to section 125(1)(b) of the Resource Management Act 1991.
5. In accordance with section 128 and section 129 of the Resource Management Act 1991, the Taranaki Regional Council may serve notice of its intention to review, amend, delete or add to the conditions of this resource consent by giving notice of review during the month of June 2017 and/or June 2023, for the purpose of ensuring that the conditions are adequate to deal with any adverse effects on the environment arising from the exercise of this resource consent, which were either not foreseen at the time the application was considered or which it was not appropriate to deal with at the time.

Signed at Stratford on 12 June 2014

For and on behalf of
Taranaki Regional Council

A D McLay
Director - Resource Management

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

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

Consent Granted
Date: 10 July 2007

Conditions of Consent

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

Expiry Date: 1 June 2022

Review Date(s): June 2010, June 2016

Site Location: 224 Monmouth Road, Stratford

Legal Description: Lot 2 DP 307233 Blk XIII Huiroa SD

Catchment: Patea

Tributary: Kahouri

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

Consent 7123-1

General conditions

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

Special conditions

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

Consent 7123-1

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

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

| Component | Concentration |
|--|----------------------|
| total recoverable hydrocarbons [infrared spectroscopic technique] | 15 gm ⁻³ |
| suspended solids | 100 gm ⁻³ |

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

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

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

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

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

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

14. This consent shall lapse on the expiry of five years after the date of issue of this consent, unless the consent is given effect to before the end of that period or the Taranaki Regional Council fixes a longer period pursuant to section 125(1)(b) of the Resource Management Act 1991.

Consent 7123-1

15. In accordance with section 128 and section 129 of the Resource Management Act 1991, the Taranaki Regional Council may serve notice of its intention to review, amend, delete or add to the conditions of this resource consent by giving notice of review during the month of June 2010 and/or June 2016, for the purpose of ensuring that the conditions are adequate to deal with any adverse effects on the environment arising from the exercise of this resource consent, which were either not foreseen at the time the application was considered or which it was not appropriate to deal with at the time.

Signed at Stratford on 10 July 2007

For and on behalf of
Taranaki Regional Council

Director-Resource Management

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

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

Decision Date: 10 August 2009

Commencement Date: 10 August 2009

Conditions of Consent

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

Expiry Date: 1 June 2024

Review Date(s): June 2018

Site Location: Waiteika Road, Opunake

Grid Reference (NZTM) 1680465E-5634766N

Catchment: Waiteika

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

General conditions

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

Special conditions

1. The active area of the quarry shall not exceed 1.5 hectares at any one time.
2. If any area of soil is exposed, all run off from that area shall pass through settlement ponds or sediment traps with a minimum total capacity of:
 - a) 100 cubic metres for every hectare of exposed soil between 1 November to 30 April; and
 - b) 200 cubic metres for every hectare of exposed soil between 1 May to 31 October;unless other sediment control measures that achieve an equivalent standard are agreed to by the Chief Executive of the Taranaki Regional Council.
3. At least 7 working days prior to the commencement of works the consent holder shall notify the Taranaki Regional Council of the proposed start date for the work. Notification shall include the consent number and a brief description of the activity consented and shall be emailed to worknotification@trc.govt.nz. Notification by fax or post is acceptable only if the consent holder does not have access to email.
4. All earthwork areas shall be stabilised vegetatively or otherwise as soon as is practicable immediately following completion of soil disturbance activities.
5. This consent shall lapse on 30 September 2014, unless the consent is given effect to before the end of that period or the Taranaki Regional Council fixes a longer period pursuant to section 125(1)(b) of the Resource Management Act 1991.

Consent 7519-1

6. In accordance with section 128 and section 129 of the Resource Management Act 1991, the Taranaki Regional Council may serve notice of its intention to review, amend, delete or add to the conditions of this resource consent by giving notice of review during the month of June 2012 and/or June 2018, for the purpose of ensuring that the conditions are adequate to deal with any adverse effects on the environment arising from the exercise of this resource consent, which were either not foreseen at the time the application was considered or which it was not appropriate to deal with at the time.

Transferred at Stratford on 22 November 2016

For and on behalf of
Taranaki Regional Council



A D McLay
Director - Resource Management

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

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

Decision Date: 10 August 2009

Commencement Date: 10 August 2009

Conditions of Consent

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

Expiry Date: 1 June 2024

Review Date(s): June 2018

Site Location: Waiteika Road, Opunake

Grid Reference (NZTM) 1680659E-5634572N

Catchment: Waiteika

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

General conditions

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

Special conditions

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

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

Consent 7522-1

9. Except with the written agreement of the Chief Executive, Taranaki Regional Council, the culvert shall be removed and the area reinstated, if and when it is no longer required. A further resource consent may be required to authorise the removal of the structure, and the consent holder is advised to seek advice from the Council on this matter.
10. This consent shall lapse on 30 September 2014, unless the consent is given effect to before the end of that period or the Taranaki Regional Council fixes a longer period pursuant to section 125(1)(b) of the Resource Management Act 1991.
11. In accordance with section 128 and section 129 of the Resource Management Act 1991, the Taranaki Regional Council may serve notice of its intention to review, amend, delete or add to the conditions of this resource consent by giving notice of review during the month of June 2012 and/or June 2018, for the purpose of ensuring that the conditions are adequate to deal with any adverse effects on the environment arising from the exercise of this resource consent, which were either not foreseen at the time the application was considered or which it was not appropriate to deal with at the time.

Transferred at Stratford on 22 November 2016

For and on behalf of
Taranaki Regional Council

A D McLay
Director - Resource Management

General condition

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

Special conditions

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

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

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

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

4. The consent holder shall install, properly maintain and operate the system of settling ponds as proposed and required in condition 1 of this consent, including the use of shut off valves, in such a manner that any discharge which may occur does not breach the conditions of this consent. The settling ponds system shall be operated, as far as practicable, so as to minimise the duration and frequency of discharges.

Consent 7845-1.1

5. If any area of soil is exposed, all run off from that area shall pass through settlement ponds or sediment traps with a minimum total capacity of;
 - a) 100 cubic metres for every hectare of exposed soil between 1 November to 30 April; and
 - b) 200 cubic metres for every hectare of exposed soil between 1 May to 31 October;

unless other sediment control measures that achieve an equivalent standard are agreed to by the Chief Executive of the Taranaki Regional Council.

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

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

7. There shall be no direct discharge of untreated stormwater or groundwater from the active quarry site into any surface water.
8. At least 7 working days prior to the commencement of each stage of the quarry activity, the consent holder shall notify the Taranaki Regional Council and Te Runanga o Ngaati Ruanui Trust of the proposed start date for the work. Notification shall include the consent number and a brief description of the activity consented and shall be emailed to worknotification@trc.govt.nz and gml@ruanui.co.nz.
9. The consent holder shall at all times adopt the best practicable option, as defined in the Resource Management Act 1991, to prevent or minimise any adverse effects of the discharge to the environment.
10. The consent holder shall operate and progressively reinstate each stage of the quarry, prior to commencement of the next stage, in a manner which ensures that the area of exposed, un-vegetated earth, within the quarry's stormwater catchment is kept to a minimum at all times.
11. Constituents of the discharge shall meet the standards shown in the following table.

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

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

Consent 7845-1.1

12. After allowing for reasonable mixing, within a mixing zone extending 25 metres downstream of any discharge point, the discharge shall not give rise to any of the following effects in the receiving waters:
 - a) an increase in the suspended solids concentration in the receiving water in excess of 10 grams per cubic metres when the turbidity as measured immediately upstream of the discharge point is equal to or less than 5 NTU (nephelometric turbidity units); or
 - b) an increase in the turbidity in the receiving water of more than 50%, where the stream turbidity measured upstream if the discharge is greater than 5 NTU, as determined using NTU (nephelometric turbidity units).
13. The consent holder shall notify the Chief Executive, Taranaki Regional Council and Te Runanga o Ngaati Ruanui Trust, prior to making any changes to the processes or operations undertaken at the site, or the chemicals used or stored on site that could alter the nature of the discharge. Any such change shall then only occur following receipt of any necessary approval under the Resource Management Act 1991. Notification shall include the consent number, a brief description of the activity consented and an assessment of the environmental effects of any changes, and be emailed to consents@trc.govt.nz and gml@ruanui.co.nz.
14. In accordance with section 128 and section 129 of the Resource Management Act 1991, the Taranaki Regional Council may serve notice of its intention to review, amend, delete or add to the conditions of this resource consent by giving notice of review during the month of June 2016 and/or June 2018, and/or June 2020, and/or June 2022, and/or June 2024, and/or June 2026, and/or June 2028 for the purpose of ensuring that the conditions are adequate to deal with any adverse effects on the environment arising from the exercise of this resource consent, which were either not foreseen at the time the application was considered or which it was not appropriate to deal with at the time.

Transferred at Stratford on 22 November 2016

For and on behalf of
Taranaki Regional Council

A D McLay
Director - Resource Management

Appendix 3: The proposed stream realignment and piping plan



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

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

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

Decision Date: 29 July 2015

Commencement Date: 19 August 2015

Conditions of Consent

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

Expiry Date: 1 June 2029

Review Date(s): June 2017, June 2023

Site Location: 277 Whenuku Road, Hawera

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

Catchment: Waingongoro

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

General condition

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

Special conditions

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

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

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

Consent 10017-1.0

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

Consent 10017-1.0

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

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

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

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

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

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

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

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

Consent 10017-1.0

26. In accordance with section 128 and section 129 of the Resource Management Act 1991, the Taranaki Regional Council may serve notice of its intention to review, amend, delete or add to the conditions of this resource consent by giving notice of review during the month of June 2017 and/or June 2023, for the purpose of ensuring that the conditions are adequate to deal with any adverse effects on the environment arising from the exercise of this resource consent, which were either not foreseen at the time the application was considered or which it was not appropriate to deal with at the time.

Transferred at Stratford on 22 November 2016

For and on behalf of
Taranaki Regional Council

A D McLay
Director - Resource Management

General condition

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

Special conditions

1. The consent holder shall notify the Chief Executive, Taranaki Regional Council, in writing of the date that the activity is expected to commence. Notification shall occur by email to worknotification@trc.govt.nz and be provided at least 2 working days before.
2. At all times the consent holder shall adopt the best practicable option to prevent or minimise any actual or likely adverse effect on the environment associated with the abstraction of groundwater.
3. In accordance with section 128 and section 129 of the Resource Management Act 1991, the Taranaki Regional Council may serve notice of its intention to review, amend, delete or add to the conditions of this resource consent by giving notice of review during the month of June 2017 and/or June 2023, for the purpose of ensuring that the conditions are adequate to deal with any adverse effects on the environment arising from the exercise of this resource consent, which were either not foreseen at the time the application was considered or which it was not appropriate to deal with at the time.

Transferred at Stratford on 22 November 2016

For and on behalf of
Taranaki Regional Council

A D McLay
Director - Resource Management

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

Name of
Consent Holder: Horizon Trust Management Limited

Decision Date: 7 December 2023

Commencement Date: 19 January 2024

Conditions of Consent

Consent Granted: To discharge cleanfill onto and into land

Expiry Date: 1 June 2044

Review Date(s): June 2025 and 3-yearly thereafter

Site Location: 193 Whenuku Road, Normanby

Grid Reference (NZTM) 1705930E-5623310N

Catchment: Waingongoro

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

General condition

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

Special conditions

1. The exercise of this consent shall be undertaken in general 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 cleanfill shall only occur sequentially in 'extraction areas', generally as shown on the site plan attached. Backfilling of each extraction area with cleanfill materials shall be completed before any cleanfill is discharged to the next area. The final finished fill site shall be located at least 25 metres from the Waingongoro River bed.
3. At least 7 working days prior to the commencement of filling each 'extraction area', 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 served by completing and submitting the 'Notification of work' form on the council website <http://bit.ly/TRCWorkNotificationForm>.
4. 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 clay, clean soils, rocks, concrete (steel free) and brick 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 or contaminate groundwater.

Note: Inert Waste is waste that is neither chemically or biologically reactive i.e. waste that does not decompose, does not undergo a change in its chemical properties and does not alter the chemical properties of any other material [WasteMINZ, 2018].

5. The discharge of the following contaminants shall not occur: processed timber, food wastes, paper and cardboard, grass clippings, garden wastes including but not limited to wastes containing foliage or other vegetation, textiles, steel, metals, construction materials containing lead based 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 render land or any vegetation grown on the land toxic to vegetation or to animals consuming such vegetation, or material that will produce contaminated leachate.
6. The consent holder shall notify the Chief Executive, Taranaki Regional Council at least 2 working days prior to the discharge of any excavated natural material that is not 'Virgin Excavated Natural Material'. Notification shall be served completing and submitting the 'Notification of work' form on the council website <http://bit.ly/TRCWorkNotificationForm> and shall include as a minimum:
 - a. the consent number;
 - b. a description of the nature of the material;
 - c. the source of the material, including the location details;
 - d. the volume (or truck loads) of the material expected;
 - e. name, address and other contact details of the 'Discharger'; and
 - f. the date and period of discharge.

Consent 10905-1.0

For the purposes of this condition 'Virgin Excavated Natural Material' is natural material such as clay, gravel, sand, soil, or rock fines that:

- has been excavated or quarried from areas that are not contaminated with hydrocarbons, manufactured chemicals or process residues, as result of industrial, commercial, mining, or agricultural activities; and
 - does not contain any sulfidic ores or soils or any other waste.
7. For compliance monitoring purposes, the consent holder shall keep a record of the material discharged at the site. This record shall be maintained and made available to the Chief Executive, Taranaki Regional Council in a form and at a frequency that s/he may 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 consent holder shall ensure that the only source of water entering the fill is that of direct rainwater and the fill is isolated from any stormwater infiltration from the immediate catchment area.
9. The consent holder shall take all reasonable and necessary steps to minimise effects of the activity on water, including, but not limited to, the following:
- a. installation and maintenance of diversion drains and retention devices to minimise stormwater infiltration into the filled area;
 - b. installation of sediment settling ponds to treat discharges to the Waingongoro River; and
 - c. placement of interim cover on any exposed fill during periods of inactivity in any 'extraction area' of more than 1 month.
10. The consent holder shall progressively reinstate each extraction area in accordance with the certified Quarry Management Plan (QMP) as required by the South Taranaki District Council (STDC) land use consent (RML200081) which must be provided to the Taranaki Regional Council.
11. Within 60 working 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 Contingency Plan and any amended versions shall be provided to the Chief Executive of the Taranaki Regional Council.
- Advice note: In the event that the monitoring identifies adverse effects resulting from the activity this is managed through condition 15 of 10864-1.0.*
12. The Consent Holder shall initiate a Kaitiaki Group made up of representatives from Te Rūnanga o Ngāti Ruanui, Te Korowai o Ngāruahine Trust, Ōkahu-Inuawai and Kanihi-Umutahi and Horizons Trust Management (or relevant consent holder). The consent holder shall send invitations for the first Kaitiaki Group forum within two months of commencement of this consent.

13. Within 60 working days of consent commencement, the consent holder shall prepare a Stormwater Management Plan which the quarry operation and all associated discharges shall be undertaken in accordance with. The purpose of the Stormwater Management Plan is to detail how the stormwater, washwater and groundwater will be managed to ensure the conditions of this consent are met and in general how the volume and suspended solids content of any discharge is minimised. The Stormwater Management Plan and any amended versions shall be submitted to the Chief Executive, Taranaki Regional Council for review, who will circulate it to submitters for comment before certification. The Stormwater Management Plan shall include (but not be limited to):
- a. treatment system design, including:
 - i. the number, configuration and volume of ponds and why they are considered appropriate; and
 - ii. the maximum volume the system is capable of treating.
 - b. treatment System Maintenance;
 - c. how the site will be operated to minimise the ingress of groundwater;
 - d. how the discharge will be minimised when the Waingongoro River is in defined at risk stage (as defined by the Monitoring and Management Plan), this may involve restricting discharge during these periods unless DO levels are demonstrated to be at an acceptable level (as defined by the Monitoring and Management Plan)
 - e. staging and reinstatement of quarry areas to minimise the stormwater catchment area;
 - f. methodology/ design of stormwater drainage from the cleanfill;
 - g. maintenance of sediment control practices, with a specific focus on rainfall events;
 - h. details for how the Stormwater Management Plan will be updated if required; and
 - i. details around when an emergency response would be triggered, i.e. when would the system not be treating the inflow affectively before discharge; and
 - j. details of emergency response steps to be undertaken anytime any inflow into the ponds is greater than the treatment system can affectively handle, to ensure that there is no uncontrolled discharge of untreated discharge to surface water.

Advice Note: Any comments made by Te Rūnanga o Ngāti Ruanui, Te Korowai o Ngāruahine Trust, Ōkahu-Inuawai and Kanihi-Umutahi and Fish & Game New Zealand submitted within 15 working days of receiving the Stormwater Management Plan will be taken into consideration by the Chief Executive, Taranaki Regional Council when determining if the Stormwater Management Plan meets the requirements of this consent.

14. The purpose of the Kaitiaki Group is to allow for regular liaison to undertake the matters set out below:
- a. provide opportunity for input from the respective authorities into how the Consent Holder shall provide for the Monitoring and Management Plan;
 - b. provide opportunity for input from the respective authorities into how the Consent Holder shall provide for condition 13 (Stormwater Management Plan) and condition 11 (Contingency Plan);
 - c. provide opportunity for input from the respective authorities into how the Consent Holder shall provide for condition 4 of consent 10865-1.0;
 - d. provide opportunity for input from the respective authorities into how the Consent Holder shall provide for realignment and new channel works under 10017-1.1; and
 - e. discuss monitoring results of consents 10864-1.0, 10865-1.0, 10866-1.0, 10905-1.0 and 10017-1.1.

Advice note: The Kaitiaki Group forums may be held in conjunction with the Kaitiakitanga Group forums required by the South Taranaki District Council (STDC) land use consent (RML200081).

15. The Consent Holder shall invite the representatives to participate in the Kaitiaki Group.
 - a. The frequency of meetings shall be determined by the representatives and the consent holder.
 - b. The consent holder shall record the main points arising from each meeting of the Kaitiaki Group and shall provide a copy of that record to the meeting invitees within a reasonable time following the meeting.
 - c. While the Kaitiaki Group participants must be invited to attend each meeting, the non-attendance of any participant does not invalidate the Kaitiaki Group meeting.
16. The Consent Holder shall offer an honorarium to Kaitiakitanga Party members for the participants to cover the reasonable expenses in attending meetings. The amount of this honorarium will be at the sole discretion of the Consent Holder. The Consent Holder shall also be responsible for any direct costs of running the meetings.
17. 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.
18. In accordance with section 128 and section 129 of the Resource Management Act 1991, the Taranaki Regional Council may serve notice of its intention to review, amend, delete or add to the conditions of this resource consent by giving notice of review during the month of June 2025 and 3-yearly 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 7 December 2023

For and on behalf of
Taranaki Regional Council



A D McLay
Director - Resource Management

Appendix 1



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

Name of
Consent Holder: Horizon Trust Management Limited

Decision Date: 7 December 2023

Commencement Date: 19 January 2024

Conditions of Consent

Consent Granted: To take groundwater associated with quarry excavations

Expiry Date: 1 June 2044

Review Date(s): June 2025 and annually thereafter

Site Location: 193 Whenuku Road, Normanby

Grid Reference (NZTM) 1706000E-5623340N

Catchment: Waingongoro

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

General condition

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

Special conditions

1. This consent authorises taking of groundwater that results from excavation below the water table, for the purpose of quarrying in the area outlined in the attached Site Plan.
2. Groundwater shall be used for dust suppression and gravel washing purposes only.
3. The rate of taking shall not exceed 40 l/s, with the exception of taking permitted in accordance with condition 5.
4. When the flow in the Waingongoro River at SH45 is less than 1548 l/s the rate of taking shall be no more than 100% of the rate of discharge under consent 10866-1.0.
5. 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.

Advice 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.

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 documentation provided in accordance with condition 6 shall be provided:
 - a. within 30 days of the installation of a water meter and datalogger;
 - b. 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
 - c. no less frequently than once every five years.
8. Once the water meter and datalogger are operational, the consent holder shall contact the hydrology team at the Taranaki Regional Council to set up an alert when the flow in the Waingongoro River is less than 1548 l/s.

Consent 10864-1.0

9. The consent holder shall ensure that within 30 days of the consent being granted a continuous record of groundwater level data is maintained. This shall be achieved by installing automatic groundwater level recording devices, in at least two monitoring bores, that record the water level at intervals not exceeding 15 minutes to an accuracy of ± 10 mm and is tamper-proof. The cost of establishing and operating the recorders shall be met by the consent holder.
10. The collection of groundwater level records in accordance with condition 9 shall be transmitted directly to the Taranaki Regional Council's computer system, in a format suitable for providing a real time record over the internet.
11. 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 $\pm 5\%$.
12. 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.
13. The water measuring and recording equipment shall be accessible to Taranaki Regional Council officer's at all reasonable times for inspection and/or data retrieval.
14. Within 60 working days of consent commencement, the consent holder shall submit a Monitoring and Management Plan. The purpose of the Monitoring and Management Plan is to ratify how the consent holder will monitor, assess and report the effects of activities authorised by consents 10864-1.0 and 10866-1.0 on the Waingongoro River, the unnamed tributary and the surrounding aquifer. The Monitoring and Management Plan shall be submitted to the Chief Executive - Taranaki Regional Council for review, who will circulate it to submitters for comment before certification. The Monitoring and Management Plan shall include (but not be limited to):
 - a. the locations and details of a minimum of two purpose built bores installed after consultation with the Chief Executive, Taranaki Regional Council;
 - b. demonstrate how compliance with conditions 3 and 4 will be measured;
 - c. demonstrate how compliance with conditions 3, 6, 7 and 8 of consent 10866-1.0 will be measured;
 - d. define periods when the Waingongoro River would be at higher risk of experiencing adverse effects from the discharge (defined higher risk periods);
 - e. define a sampling point on the true left bank;
 - f. monitoring of macroinvertebrate communities within the Waingongoro River;
 - g. monitoring of pH, suspended solids, hydrocarbons, dissolved oxygen and temperature within the Waingongoro River when authorised activities are being undertaken during the defined higher risk periods;
 - h. monitoring of stream flow in the unnamed tributary of the Waingongoro River; and
 - i. reporting frequency of results to the Chief Executive, Taranaki Regional Council.

Advice note: Any comments made by Te Rūnanga o Ngāti Ruanui, Ōkahu-Inuawai and Kanihi-Umutahi, Te Korowai o Ngāruahine Trust and Fish & Game New Zealand submitted within 15 working days of receiving the Monitoring and Management Plan will be taken into consideration by the Chief Executive, Taranaki Regional Council when determining if the report meets the requirements of this consent.

15. In the event that the monitoring identifies adverse effects resulting from the activity authorised by consents (10017-1.1, 10864-1.0, 10865-1.0, 10866-1.0, 10905-1), the consent holder is required to review, amend, add to, and recirculate the Monitoring and Management Plan as described in condition 14 to all submitters for comment. The amended Plan must outline comprehensive measures to effectively manage the identified adverse effects. Submitters shall have 10 working days to provide feedback on the amended sections of the Monitoring and Management Plan. The Chief Executive of the Taranaki Regional Council shall review the amended Plan and associated comments from submitters to ensure any identified environmental effects are avoided, remedied or mitigated before certifying the amended Monitoring and Management Plan.
16. Once certified the consent holder shall implement and comply with those aspects of the Monitoring and Management Plan as specified in condition 14.
17. The Monitoring and Management Plan required under condition 14 shall be prepared by a suitably qualified person(s).
18. Within 60 working days of consent commencement, the consent holder shall prepare a Stormwater Management Plan which the quarry operation and all associated discharges shall be undertaken in accordance with. The purpose of the Stormwater Management Plan is to detail how the stormwater, washwater and groundwater will be managed to ensure the conditions of this consent are met and in general how the volume and suspended solids content of any discharge is minimised. The Stormwater Management Plan and any amended versions shall be submitted to the Chief Executive - Taranaki Regional Council for review, who will circulate it to submitters for comment before certification. The Stormwater Management Plan shall include (but not be limited to):
 - a. treatment system design, including:
 - i. the number, configuration and volume of ponds and why they are considered appropriate; and
 - ii. the maximum volume the system is capable of treating.
 - b. treatment System Maintenance;
 - c. how the site will be operated to minimise the ingress of groundwater;
 - d. how the discharge will be minimised when the Waingongoro River is in a defined at risk stage (as defined by the Monitoring and Management Plan), this may involve restricting discharge during these periods unless DO levels are demonstrated to be at an acceptable level (as defined by the Monitoring and Management Plan);
 - e. staging and reinstatement of quarry areas to minimise the stormwater catchment area;
 - f. methodology/ design of stormwater drainage from the cleanfill;
 - g. maintenance of sediment control practices, with a specific focus on rainfall events;
 - h. details for how the Stormwater Management Plan will be updated if required;
 - i. details around when an emergency response would be triggered, i.e. when would the system not be treating the inflow affectively before discharge; and
 - j. details of emergency response steps to be undertaken anytime any inflow into the ponds is greater than the treatment system can affectively handle, to ensure that there is no uncontrolled discharge of untreated discharge to surface water.

Advice Note: Any comments made by Te Rūnanga o Ngāti Ruanui, Te Korowai o Ngāruahine Trust, Ōkahu-Inuawai and Kanihi-Umutahi and Fish & Game New Zealand submitted within 15 working days of receiving the Stormwater Management Plan will be taken into consideration by the Chief Executive, Taranaki Regional Council when determining if the Stormwater Management Plan meets the requirements of this consent.

Advice note: In the event that the monitoring identifies adverse effects resulting from the activity this is managed through condition 15.

19. The Consent Holder shall initiate a Kaitiaki Group made up of representatives from Te Rūnanga o Ngāti Ruanui, Te Korowai o Ngāruahine Trust, Ōkahu-Inuawai and Kanihi-Umutahi and Horizons Trust Management (or relevant consent holder). The consent holder shall send invitations for the first Kaitiaki Group forum within two months of commencement of this consent.
20. The purpose of the Kaitiaki Group is to allow for regular liaison to undertake the matters set out below:
 - a. provide opportunity for input from the respective authorities into how the Consent Holder shall provide for condition 14 (Monitoring and Management Plan);
 - b. provide opportunity for input from the respective authorities into how the Consent Holder shall provide for condition 18 (Stormwater Management Plan) and the Contingency Plan outlined on 10905-1.0 and 10866-1.0;
 - c. provide opportunity for input from the respective authorities into how the Consent Holder shall provide for condition 4 of consent 10865-1.0;
 - d. provide opportunity for input from the respective authorities into how the Consent Holder shall provide for realignment and new channel works under 10017-1.1; and
 - e. discuss monitoring results of consents 10864-1.0, 10865-1.0, 10866-1.0, 10905-1.0 and 10017-1.1.

Advice note: The Kaitiaki Group forums may be held in conjunction with the Kaitiakitanga Group forums required by the South Taranaki District Council (STDC) land use consent (RML200081).

21. The Consent Holder shall invite the representatives to participate in the Kaitiaki Group.
 - a. The frequency of meetings shall be determined by the representatives and the consent holder.
 - b. The consent holder shall record the main points arising from each meeting of the Kaitiaki Group and shall provide a copy of that record to the meeting invitees within a reasonable time following the meeting.
 - c. While the Kaitiaki Group participants must be invited to attend each meeting, the non-attendance of any participant does not invalidate the Kaitiaki Group meeting.
22. The Consent Holder shall offer an honorarium to Kaitiakitanga Party members for the participants to cover the reasonable expenses in attending meetings. The amount of this honorarium will be at the sole discretion of the Consent Holder. The Consent Holder shall also be responsible for any direct costs of running the meetings.
23. The consent holder shall undertake a one-off pumping test undertaken in general accordance with the methodology presented in the Geosearch document numbered #3028342 dated 8th November 2021 (revised 20 July 2023). For the purposes of this one-off pumping test, the consent holder may take up to 100 l/s of groundwater.

Consent 10864-1.0

24. The consent holder shall provide the Chief Executive, Taranaki Regional Council, results and interpretation of the pump test and an assessment of the likely adverse effects of the taking authorised by this consent. If this test determines effects of the activities authorised by this consent will have a more than minor effect on the Waingongoro River or unnamed tributary; the consent holder shall update the Monitoring and Management Plan in condition 14 to include comprehensive measures to effectively manage the identified adverse effects.
25. 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.
26. In accordance with section 128 and section 129 of the Resource Management Act 1991, the Taranaki Regional Council may serve notice of its intention to review, amend, delete or add to the conditions of this resource consent by giving notice of review during the month of June 2025 and annually 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 7 December 2023

For and on behalf of
Taranaki Regional Council



A D McLay
Director - Resource Management

Appendix 1



Date: 23/07/2020
Scale (A3): 1:2000
Drawn by: TMA
Project: 20HorWhe

Site Plan of Quarry Extents Horizons Trust, Whenuku Road

A&C Surveys[™]
Steven Archer
PO Box 4028
Wanganui
Ph 06 347 8586 Mb 021 664 571
email: steven.archer@acsurveys.co.nz

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

Name of
Consent Holder: Horizon Trust Management Limited

Decision Date: 7 December 2023

Commencement Date: 19 January 2024

Conditions of Consent

Consent Granted: To realign a section of an unnamed tributary of the Waingongoro River, including associated stream bed disturbance and reclamation

Expiry Date: 1 June 2044

Review Date(s): As per Special Condition 12

Site Location: 193 Whenuku Road, Normanby

Grid Reference (NZTM) 1706141E-5623158N

Catchment: Waingongoro

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

General condition

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

Special conditions

1. This consent authorises the realignment of a stream (a tributary of the Waingongoro River) downstream of grid reference (NZTM) 1706141E-5623158N for the purpose of reinstating the quarry excavation in general accordance with the Restoration Concept Diagram (attached) and with the certified Detailed Design and Planting Plan for the site required by the South Taranaki District Council land use consent "RML2000081".
2. The consent holder shall take all practicable steps to minimise sedimentation and increased turbidity of the stream, including:
 - a. completing all works in the minimum time practicable;
 - b. avoiding placement of excavated material in the flowing channel;
 - c. keeping machinery out of the actively flowing channel, as far as practicable; and
 - d. undertaking works during times of low flow.
3. The consent holder shall ensure that the passage of fish is not impeded, as far as practicable, during the works. If any fish are stranded due to the works, the consent holder shall ensure that these are placed back in the active flowing part of the channel as soon as practicable.
4. On completion of the work:
 - a. the banks of the reconstructed channel shall have a slope no steeper than 1 horizontal to 1 vertical. Where the bank consists of fill, the slope will be no steeper than 2 horizontal to 1 vertical;
 - b. the bed of the reconstructed channel shall be at an appropriate grade so as to provide for fish passage;
 - c. the reconstructed channel shall be appropriately armoured with rock or other such material to ensure the bed and banks do not erode;
 - d. the stream shall be planted with riparian planting; and
 - e. representatives from Te Rūnanga o Ngāti Ruanui, Te Korowai o Ngāruahine Trust, Ōkahu-Inuawai and Kanihi-Umutahi be invited to site to carry out an inspection and tikanga practices.

Advice Note: This work refers to realignment work associated with final restoration work, in the event that the realignment work is staged and is undertaken prior to closure of the quarry conditions 3 and 5 apply.

5. The reconstructed channel shall have a capacity to carry flood flows which is no less than the original stream channel.

Consent 10865-1.0

6. The consent holder must progressively stabilise, re-contour and re-vegetate any areas disturbed by works to realign the tributary, to minimise sediment runoff and erosion as soon as practicable after completion of any works authorised by this resource consent.
7. The Consent Holder shall initiate a Kaitiaki Group made up of representatives from Te Rūnanga o Ngāti Ruanui, Te Korowai o Ngāruahine Trust, Ōkahu-Inuawai and Kanihi-Umutahi and Horizons Trust Management (or relevant consent holder). The consent holder shall send invitations for the first Kaitiaki Group forum within two months of commencement of this consent.
8. The purpose of the Kaitiaki Group is to allow for regular liaison to undertake the matters set out below:
 - a. provide opportunity for input from the respective authorities into how the Consent Holder shall provide for condition 14 of 10864-1.0 (Monitoring and Management Plan);
 - b. provide opportunity for input from the respective authorities into how the Consent Holder shall provide for condition 18 of 10864-1.0 (Stormwater Management Plan) and the Contingency Plan;
 - c. provide opportunity for input from the respective authorities into how the Consent Holder shall provide for condition 4 of consent 10865-1.0;
 - d. provide opportunity for input from the respective authorities into how the Consent Holder shall provide for realignment and new channel works under 10017-1.1; and
 - e. discuss monitoring results of consents 10864-1.0, 10865-1.0, 10866-1.0, 10905-1.0 and 10017-1.1.

Advice note: The Kaitiaki Group forums may be held in conjunction with the Kaitiakitanga Group forums required by the South Taranaki District Council (STDC) land use consent (RML200081).

9. The Consent Holder shall invite the representatives to participate in the Kaitiaki Group.
 - a. The frequency of meetings shall be determined by the representatives and the consent holder.
 - b. The consent holder shall record the main points arising from each meeting of the Kaitiaki Group and shall provide a copy of that record to the meeting invitees within a reasonable time following the meeting.
 - c. While the Kaitiaki Group participants must be invited to attend each meeting, the non-attendance of any participant does not invalidate the Kaitiaki Group meeting.
10. The Consent Holder shall offer an honorarium to Kaitiakitanga Party members for the participants to cover the reasonable expenses in attending meetings. The amount of this honorarium will be at the sole discretion of the Consent Holder. The Consent Holder shall also be responsible for any direct costs of running the meetings.
11. In accordance with section 125(1) of the Resource Management Act 1991 this consent lapses on 1 June 2039.

Consent 10865-1.0

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:
- a. during the month of June 2025 and 3-yearly 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; and/or
 - b. annually during the month of June for the purpose of ensuring that the consent is consistent with the Detailed Design and Planting Plan for the site required by the South Taranaki District Council land use consent "RML2000081".

Signed at Stratford on 7 December 2023

For and on behalf of
Taranaki Regional Council



A D McLay
Director - Resource Management

Appendix 1

RESTORATION CONCEPT DIAGRAM – V1



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

Name of Consent Holder: Horizon Trust Management Limited

Decision Date: 7 December 2023

Commencement Date: 19 January 2024

Conditions of Consent

Consent Granted: To discharge treated stormwater, wash water and groundwater from a quarry site through seepage to land and via a rock-lined channel to the Waingongoro River

Expiry Date: 1 June 2044

Review Date(s): June 2025 and 3-yearly thereafter

Site Location: 193 Whenuku Road, Normanby

Grid Reference (NZTM) 1705830E-5623130N

Catchment: Waingongoro

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

General condition

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

Special conditions

1. The exercise of this consent shall be undertaken in general 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. Any area used for the washing of aggregate shall be bunded and contoured to ensure separation from the stormwater catchment and operated as a closed circuit system. The only discharge of washwater shall be via seepage from the storage ponds to land.
3. Any discharge from the site that reaches surface water shall have:
 - a. a suspended solids concentration no greater than 100 gm³; and
 - b. a dissolved oxygen concentration no lower than 5.0 gm³.
4. The consent holder shall ensure an access track to the discharge point is provided and maintained, subject to all health and safety requirements.
5. The consent holder shall enable access to the site to representatives from Te Rūnanga o Ngāti Ruanui, Te Korowai o Ngāruahine Trust, Ōkahu-Inuawai and Kanihi-Umutahi within five working days of their request to visit. In the event that access cannot be granted, due to health and safety reasons, the consent holder shall inform representatives of the reasons for delaying access and when access can be granted.
6. Beyond 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 Waingongoro 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 offensive or objectionable odour;
 - d. the rendering of fresh water unsuitable for consumption by farm animals; and
 - e. any significant adverse effects on aquatic life.
7. Beyond 25 metres downstream of the discharge location, the discharge shall not cause an increase in turbidity of the Waingongoro River of more than 50%.
8. Downstream of the discharge point in the Waingongoro River, after reasonable mixing, the discharge shall not cause:
 - a. a change in water temperature of more than 3 degrees Celsius;
 - b. the pH to be beyond the range of 6 to 9; and
 - c. an increase in suspended solids of more than 10 gm³.
9. The consent holder shall operate and progressively reinstate each extraction area of the quarry, prior to commencement of the next stage, in a manner which ensures that the area of exposed, un-vegetated earth, within the quarry's stormwater catchment is kept to a minimum at all times.

10. Before exercising this consent the consent holder shall install, and thereafter maintain a water meter and a datalogger at the site of discharge (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 discharged to an accuracy of $\pm 5\%$ at intervals not exceeding 15 minutes.

Advice 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.

11. The records of water discharged 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 discharged as 'zero' when no water is discharged;
 - c. be transmitted to the Taranaki Regional Council's computer system within 2 hours of being recorded.
12. 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 $\pm 5\%$.
13. The documentation provided in accordance with condition 12 shall be provided:
 - a. within 30 days of the installation of a water meter and datalogger;
 - b. 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
 - c. no less frequently than once every five years.
14. 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.
15. The water measuring and recording equipment shall be accessible to Taranaki Regional Council officer's at all reasonable times for inspection and/or data retrieval.
16. Representative(s) of Ngāti Ruanui, Te Korowai o Ngāruahine Trust, Ōkahu-Inuawai and Kanihi-Umutahi shall be invited to the subject site prior to the rock lined channel detailed engineered drawings being submitted to Te Rūnanga o Ngāti Ruanui, Te Korowai o Ngāruahine Trust, Ōkahu-Inuawai and Kanihi-Umutahi pursuant to condition 18. The purpose of the visit shall be to provide input into the location and design of the rock lined channel.
17. Te Rūnanga o Ngāti Ruanui, Te Korowai o Ngāruahine Trust, Ōkahu-Inuawai and Kanihi-Umutahi shall be invited to undertake cultural monitoring during the construction of the rock lined channel undertaken pursuant to condition 20. This invitation and cultural monitoring shall be subject to health and safety requirements.

18. The consent holder shall supply a final copy of the rock lined channel detailed engineered drawings to Te Rūnanga o Ngāti Ruanui, Te Korowai o Ngāruahine Trust, Ōkahu-Inuawai and Kanihi-Umutahi . Any comments received under condition 21 shall be submitted to Council alongside the rock lined channel detailed engineered drawings.
19. Prior to construction of the rock lined channel proposed under Preliminary Designs – Rock Lined Channel document number 3167677, the applicant shall submit detailed engineered drawings to the Chief Executive, Taranaki Regional Council for certification.
20. The consent holder shall construct, maintain and operate the rock lined channel in accordance with the detailed engineered drawings submitted and certified by the Chief Executive, Taranaki Regional Council, under condition 19.
21. Te Rūnanga o Ngāti Ruanui, Te Korowai o Ngāruahine Trust, Ōkahu-Inuawai and Kanihi-Umutahi shall be provided the opportunity to comment, for a period of 20 working days, on the rock lined channel detailed engineered drawings prior to the drawings being submitted pursuant to condition 18.
22. The applicant shall demonstrate to Council that:
 - a. any comments received from Te Rūnanga o Ngāti Ruanui, Te Korowai o Ngāruahine Trust, Ōkahu-Inuawai and Kanihi-Umutahi pursuant to condition 21, have been applied to the rock lined channel detailed engineered drawings; or
 - b. where comments have not been applied there is sufficient justification provided as to why they have not been, the justification shall be related to the functionality of the proposal.
23. Within 60 working days of consent commencement, the consent holder shall submit a Monitoring and Management Plan. The purpose of the Monitoring and Management plan is to ratify how the consent holder will monitor, assess and report the effects of activities authorised by consents 10864-1.0 and 10866-1.0 on the Waingongoro River, the unnamed tributary and the surrounding aquifer. The Monitoring and Management Plan shall be submitted to the Chief Executive, Taranaki Regional Council for review, who will circulate it to submitters for comment before certification. The Monitoring and Management Plan shall include (but not be limited to):
 - a. the locations and details of a minimum of two purpose built bores installed after consultation with the Chief Executive, Taranaki Regional Council;
 - b. demonstrate how compliance with conditions 3 and 4 of consent 10864-1.0 will be measured;
 - c. demonstrate how compliance with conditions 3, 6, 7 and 8 will be measured;
 - d. define periods when the Waingongoro River would be at higher risk of experiencing adverse effects from the discharge (defined higher risk periods);
 - e. define a sampling point on the true left bank;
 - f. monitoring of macroinvertebrate communities within the Waingongoro River;
 - g. monitoring of pH, suspended solids, hydrocarbons, dissolved oxygen and temperature within the Waingongoro River when authorised activities are being undertaken during the defined higher risk periods;
 - h. monitoring of stream flow in the unnamed tributary of the Waingongoro River; and
 - i. reporting frequency of results to the Chief Executive, Taranaki Regional Council.

Advice note: Any comments made by Te Rūnanga o Ngāti Ruanui, Te Korowai o Ngāruahine Trust, Ōkahu-Inuawai, Kanihi-Umutahi, and Fish & Game New Zealand submitted within 15 working days of receiving the Monitoring and Management plan will be taken into consideration by the Chief Executive, Taranaki Regional Council when determining if the report meets the requirements of this consent.

24. In the event that the monitoring identifies adverse effects resulting from the activity authorised by the consents (10017-1.1, 10864-1.0, 10865-1.0, 10866-1.0, 10905-1.0), the consent holder is required to review, amend, add to, and recirculate the Monitoring and Management Plan to all submitters for comment. The amended Plan must outline comprehensive measures to effectively manage the identified adverse effects. Submitters shall have 10 working days to provide feedback on the amended sections of the Monitoring and Management Plan in accordance with condition 23. The Chief Executive - Taranaki Regional Council shall review the amended Plan and associated comments from submitters to ensure any identified environmental effects are avoided, remedied or mitigated before certifying the amended Monitoring and Management Plan.
25. Once certified the consent holder shall implement and comply with those aspects of the Monitoring and Management Plan as specified in condition 23.
26. The Monitoring and Management Plan required under condition 23 shall be prepared by a suitably qualified person(s).
27. Within 60 working days of consent commencement, the consent holder shall prepare a Stormwater Management Plan which the quarry operation and all associated discharges shall be undertaken in accordance with. The purpose of the Stormwater Management Plan is to detail how the stormwater, washwater and groundwater will be managed to ensure the conditions of this consent are met and in general how the volume and suspended solids content of any discharge is minimised. The Stormwater Management Plan and any amended versions shall be submitted to the Chief Executive, Taranaki Regional Council for review, who will circulate it to submitters for comment before certification. The Stormwater Management Plan shall include (but not be limited to):
 - a. treatment system design, including:
 - i. the number, configuration and volume of ponds and why they are considered appropriate; and
 - ii. the maximum volume the system is capable of treating.
 - b. treatment System Maintenance;
 - c. how the site will be operated to minimise the ingress of groundwater;
 - d. how the discharge will be minimised when the Waingongoro River is in defined at risk stage (as defined by the Monitoring and Management Plan condition 23), this may involve restricting discharge during these periods unless DO levels are demonstrated to be at an acceptable level (as defined by the Monitoring and Management Plan)
 - e. staging and reinstatement of quarry areas to minimise the stormwater catchment area;
 - f. methodology/ design of stormwater drainage from the cleanfill;
 - g. maintenance of sediment control practices, with a specific focus on rainfall events;
 - h. details for how the Stormwater Management Plan will be updated if required; and
 - i. details around when an emergency response would be triggered, i.e. when would the system not be treating the inflow affectively before discharge; and

- j. details of emergency response steps to be undertaken anytime any inflow into the ponds is greater than the treatment system can affectively handle, to ensure that there is no uncontrolled discharge of untreated discharge to surface water.

Advice Note: Any comments made by Te Rūnanga o Ngāti Ruanui, Te Korowai o Ngāruahine Trust, Ōkahu-Inuawai and Kanihi-Umutahi and Fish & Game New Zealand submitted within 15 working days of receiving the Stormwater Management Plan will be taken into consideration by the Chief Executive, Taranaki Regional Council when determining if the Stormwater Management Plan meets the requirements of this consent.

28. Within 60 working 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 Contingency Plan and any amended versions shall be provided to the Chief Executive of the Taranaki Regional Council.

Advice note: In the event that the monitoring identifies adverse effects resulting from the activity this is managed through condition 24.

29. The Consent Holder shall initiate a Kaitiaki Group made up of representatives from Te Rūnanga o Ngāti Ruanui, Te Korowai o Ngāruahine Trust, Ōkahu-Inuawai and Kanihi-Umutahi and Horizons Trust Management (or relevant consent holder). The consent holder shall send invitations for the first Kaitiaki Group forum within two months of commencement of this consent.
30. The purpose of the Kaitiaki Group is to allow for regular liaison to undertake the matters set out below:
 - a. provide opportunity for input from the respective authorities into how the Consent Holder shall provide for condition 23 (Monitoring and Management Plan);
 - b. provide opportunity for input from the respective authorities into how the Consent Holder shall provide for condition 27 (Stormwater Management Plan) and the Contingency Plan outlined in 10905-1.0 and 10866-1.0;
 - c. provide opportunity for input from the respective authorities into how the Consent Holder shall provide for condition 4 of consent 10865-1.0;
 - d. provide opportunity for input from the respective authorities into how the Consent Holder shall provide for realignment and new channel works under 10017-1.1; and
 - e. discuss monitoring results of consents 10864-1.0, 10865-1.0, 10866-1.0, 10905-1.0 and 10017-1.1.

Advice note: The Kaitiaki Group forums may be held in conjunction with the Kaitiakitaga Group forums required by the South Taranaki District Council (STDC) land use consent (RML200081).

31. The Consent Holder shall invite the representatives to participate in the Kaitiaki Group.
 - a. The frequency of meetings shall be determined by the representatives and the consent holder.
 - b. The consent holder shall record the main points arising from each meeting of the Kaitiaki Group and shall provide a copy of that record to the meeting invitees within a reasonable time following the meeting.
 - c. While the Kaitiaki Group participants must be invited to attend each meeting, the non-attendance of any participant does not invalidate the Kaitiaki Group meeting.

Consent 10866-1.0

32. The Consent Holder shall offer an honorarium to Kaitiakitanga Party members for the participants to cover the reasonable expenses in attending meetings. The amount of this honorarium will be at the sole discretion of the Consent Holder. The Consent Holder shall also be responsible for any direct costs of running the meetings.
33. 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.
34. 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 3-yearly 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 7 December 2023

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: Windy Point Quarry Limited
PO Box 472
New Plymouth 4340

Decision Date: 28 May 2013

Commencement Date: 28 May 2013

Conditions of Consent

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

Expiry Date: 1 June 2028

Review Date(s): June 2022

Site Location: Rangitatau West Road, Waitotara

Grid Reference (NZTM) 1759360E-5595856N

Catchment: Waitotara

Tributary: Makokako

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

General condition

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

Special conditions

1. The active area of the quarry shall not exceed 2 hectares at any one time.
2. If any area of soil is exposed, all run off from that area shall pass through settlement ponds or sediment traps with a minimum total capacity of;
 - a) 100 cubic metres for every hectare of exposed soil between 1 November to 30 April;
and
 - b) 200 cubic metres for every hectare of exposed soil between 1 May to 31 October;
unless other sediment control measures that achieve an equivalent standard are agreed to by the Chief Executive of the Taranaki Regional Council.
3. All earthworked areas shall be stabilised vegetatively or otherwise as soon as is practicable immediately following completion of soil disturbance activities.
4. The consent holder shall at all times adopt the best practicable option, as defined in section 2 of the Resource Management Act 1991, to prevent or minimise any actual or likely adverse effect on the environment associated with the discharge of contaminants from the site.
5. In accordance with section 128 and section 129 of the Resource Management Act 1991, the Taranaki Regional Council may serve notice of its intention to review, amend, delete or add to the conditions of this resource consent by giving notice of review during the month of June 2016 and/or June 2022, for the purpose of ensuring that the conditions are adequate to deal with any adverse effects on the environment arising from the exercise of this resource consent, which were either not foreseen at the time the application was considered or which it was not appropriate to deal with at the time.

Transferred at Stratford on 19 February 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: Windy Point Quarry Limited
PO Box 472
New Plymouth 4340

Decision Date: 20 November 2014

Commencement Date: 20 November 2014

Conditions of Consent

Consent Granted: To discharge cleanfill onto and into land

Expiry Date: 1 June 2034

Review Date(s): June 2022, June 2028

Site Location: Rangitatau Road West, Maxwell

Grid Reference (NZTM) 1759157E-5595928N

Catchment: Waitotara

Tributary: Makokako

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

General condition

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

Special conditions

1. The discharge of cleanfill shall only occur in the area shaded yellow on the plan attached as Appendix 1.
2. The contaminants to be discharged shall be limited to cleanfill and/or inert materials. For the purposes of this condition, "clean fill and inert materials" are defined as materials consisting of any concrete, cement or cement wastes, bricks, mortar, tiles (clay, ceramic or concrete), cured asphalt, non-tanalised timber, porcelain, glass, gravels, boulders, shingles, fibreglass, plastics, sand, soils and clays, and/or tree stumps and roots, whether singly or in combination or mixture, or any other material (subject to condition 3) that when placed onto and into land will not render that land or any vegetation grown on that land toxic to vegetation or animals consuming vegetation.
3. The discharge of the following contaminants shall not occur: food wastes, paper and cardboard, grass clippings, garden wastes including but not limited to wastes containing foliage or other vegetation (other than tree stumps and roots as permitted under condition 2), textiles, steel, galvanised metals, construction materials containing paint or fillers or sealers or their containers, oils or greases or any liquids or sludges or their containers, any industrial process by-products other than as permitted under condition 2, any poisons or solvents or their containers, batteries, general domestic refuse not otherwise described, or any wastes with the potential to render land or any vegetation grown on the land toxic to vegetation or to animals consuming such vegetation.
4. If the consent holder is uncertain as to the acceptability or not of a certain material the consent holder shall obtain written approval from the Consents Manager, Taranaki Regional Council, prior to its discharge.
5. The discharge to land shall not result in any solid contaminant entering surface water or groundwater.
6. Silt retention structures shall be installed and maintained at the toe of the cleanfill discharge area to minimise silt and sediment discharge. Installing silt retention structures in accordance with *Guidelines for Earthworks in the Taranaki region*, by the Taranaki Regional Council, will achieve compliance with this condition.
7. The consent holder shall install and maintain stormwater diversion drains to minimise stormwater entering the cleanfill discharge area to the satisfaction of the Chief Executive, Taranaki Regional Council.
8. The consent holder shall at all times adopt the best practicable option or options (as defined in section 2 of the Resource Management Act 1991) to prevent or minimise any actual or potential effect on the environment arising from any discharge at the site.

Consent 9972-1.2

9. Upon completion of the cleanfill discharge authorised by this consent, the discharge site shall be stabilised and re-vegetated to the satisfaction of the Chief Executive, Taranaki Regional Council.
10. This consent shall lapse on 31 December 2019, unless the consent is given effect to before the end of that period or the Taranaki Regional Council fixes a longer period pursuant to section 125(1)(b) of the Resource Management Act 1991.
11. In accordance with section 128 and section 129 of the Resource Management Act 1991, the Taranaki Regional Council may serve notice of its intention to review, amend, delete or add to the conditions of this resource consent by giving notice of review during the month of June 2022 and/or June 2028, for the purpose of ensuring that the conditions are adequate to deal with any adverse effects on the environment arising from the exercise of this resource consent, which were either not foreseen at the time the application was considered or which it was not appropriate to deal with at the time.

Transferred at Stratford on 19 February 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: GC Land Holdings Ltd

Decision Date: 22 May 2024

Commencement Date: 22 May 2024

Conditions of Consent

Consent Granted: To discharge stormwater onto and into land from quarrying activities in circumstances where it may enter an unnamed tributary of the Makokako Stream

Expiry Date: 1 June 2040

Review Date(s): June 2028 and June 2034

Site Location: 751 Rangitatau West Road, Waitōtara

Grid Reference (NZTM) 1759826E-5595885N

Catchment: Waitōtara

Tributary: Makokako

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

General condition

- a. The consent holder shall pay to the Taranaki Regional Council (the 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 11216-1.0. In the case of any contradiction between documentation submitted in support of application 11216-1.0 and the conditions of consent, the conditions of this consent shall prevail.
2. 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.
3. The discharge shall be generated from an active area of quarry not exceeding 2 ha at any one time. Each area shall be reinstated and progressively stabilised to reduce the volume and area of exposed un-vegetated earth at any one time.

Advice Note: For the purpose this consent 'stabilised' in relation to any site or area means inherently resistant to erosion or rendered resistant, such as by using rock or by the application of basecourse, colluvium, grassing, mulch, or another method to the reasonable satisfaction of the Council and as specified in the Erosion & Sediment Control Guidelines for Soil Disturbing Activities - Waikato Regional Council. Where seeding or grassing is used on a surface that is not otherwise resistant to erosion, the surface is considered stabilised once, on reasonable visual inspection by an officer of the Council, an 80% vegetative cover has been established.

4. No less than 2 and no more than 20 working days prior to commencing quarrying in each area, the consent holder shall notify the Council. Notification shall include the consent number, a brief description of the work, and the intended commencement date. Unless the Council 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>).
5. Prior to commencing quarrying in each area, the consent holder shall arrange a site meeting with a Taranaki Regional Council Officer directly responsible for monitoring compliance with this consent. The purpose of this meeting is for the consent holder (or their representatives) to present the proposed measures intended to ensure compliance with the consent conditions.

6. At least 20 working days prior to commencing quarrying in each extraction area, a site specific Stormwater Management Plan (SMP) shall be prepared for that extraction area and submitted for certification to the Council. The SMP and any subsequent update shall conform to the Waikato Regional Council's Guidelines for Soil Disturbing Activities. The SMP shall provide all relevant information for extraction in that area, including but not limited to:
 - a) the timing and staging of the works and how the staging relates to the erosion and sediment control devices;
 - b) the design criteria and dimensions of all key erosion and sediment control structures (including catchment sizes for proposed controls);
 - c) works monitoring, including routine monitoring, rainfall triggers and significant rainfall event contingencies;
 - d) maps(s) which clearly shows the entire site with all controls and catchment sizes;
 - e) identification of key roles and responsibilities for SMP implementation;
 - f) spill contingency planning; and
 - g) the stabilisation methods that will be used, including where and when.
7. The site shall be managed, and any stormwater treated, in general accordance with the SMP provided with the application [Document #3246106], and any subsequent site specific SMP prepared as per special condition 6.
8. The consent holder may make amendments to a site specific SMP (certified under special condition 6 above) at any time, subject to certification of the Council.
9. Unless alternative sediment control measures that achieve an equivalent standard are agreed to by the 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).
10. The activity shall be undertaken in general accordance with the Spill Contingency Plan (SCP) submitted with the application [Document #3246106]. The SCP shall be updated biennially, and provided to the Council before the 1 June. The SCP shall detail 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.
11. No stormwater shall be discharged and no earthworks shall occur within 10 metres of any natural inland wetland.
12. Any discharge from the site that reaches water shall have a suspended solids concentration no greater than 100 gm⁻³.

Consent 11216-1.0

13. 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)(a) of the Resource Management Act 1991.
14. In accordance with section 128 and section 129 of the Resource Management Act 1991, the Taranaki Regional Council may serve notice of its intention to review, amend, delete or add to the conditions of this resource consent by giving notice of review during the month of June 2028 and/or June 2034, 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 22 May 2024

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: R A Wallis Limited
34 Manu Road
R D 11
HAWERA 4671

Decision Date: 19 July 2013

Commencement Date: 19 July 2013

Conditions of Consent

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

Expiry Date: 1 June 2029

Review Date(s): June 2017, June 2023

Site Location: 56 Lower Glenn Road, Manaia

Legal Description: Sec 21 Blk VI Waimate SD (Discharge source & site)

Grid Reference (NZTM) 1691855E-5621614N

Catchment: Kaupokonui

*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 6 hectares at any one time.
2. All run off from that areas of land that are not stabilised 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.

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

3. The obligation described in condition 2 above shall cease to apply, and accordingly the erosion and sediment control measures can be removed, in respect of any particular site or area of any site, only when the site is stabilised.
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 30 September 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 9600-1

8. In accordance with section 128 and section 129 of the Resource Management Act 1991, the Taranaki Regional Council may serve notice of its intention to review, amend, delete or add to the conditions of this resource consent by giving notice of review during the month of June 2016 and/or June 2022, for the purpose of ensuring that the conditions are adequate to deal with any adverse effects on the environment arising from the exercise of this resource consent, which were either not foreseen at the time the application was considered or which it was not appropriate to deal with at the time.

Signed at Stratford on 19 July 2013

For and on behalf of
Taranaki Regional Council

Director-Resource Management

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

Name of
Consent Holder: R A Wallis Limited
135 Kaupokonui Heads Road
RD 28
Hawera 4678

Decision Date: 25 October 2016

Commencement Date: 25 October 2016

Conditions of Consent

Consent Granted: To disturb the bed of the Kaupokonui Stream

Expiry Date: 1 June 2029

Review Date(s): June 2017, June 2023

Site Location: 56 Lower Glenn Road, Kaupokonui

Grid Reference (NZTM) 1691733E-5621690N

Catchment: Kaupokonui

*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 disturbance of land as described in the application provided to the Taranaki Regional Council on 5 October 2016. In the case of any contradiction between the drawing(s) and the conditions of this consent, the conditions of this consent shall prevail.
2. The consent holder shall maintain the riparian margins of the Kaupokonui Streambed in the vicinity of the application site.
3. The consent holder shall be responsible for the restatement of the Kaupokonui Streambed caused by erosion, erosion, scour or instability associated with the disturbance of land in its vicinity.
4. In accordance with section 128 and section 129 of the Resource Management Act 1991, the Taranaki Regional Council may serve notice of its intention to review, amend, delete or add to the conditions of this resource consent by giving notice of review during the month of June 2017 and/or June 2023, for the purpose of ensuring that the conditions are adequate to deal with any adverse effects on the environment arising from the exercise of this resource consent, which were either not foreseen at the time the application was considered or which it was not appropriate to deal with at the time.

Signed at Stratford on 25 October 2016

For and on behalf of
Taranaki Regional Council

A D McLay
Director - Resource Management

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

Name of
Consent Holder: G & G Holdings (2024) Limited

Decision Date: 25 August 2010

Commencement Date: 25 August 2010

Conditions of Consent

Consent Granted: To discharge treated stormwater and washwater from a quarry and shingle washing operation onto and into land and into an unnamed tributary of the Patea River

Expiry Date: 1 June 2028

Site Location: Bird Road, Stratford

Grid Reference (NZTM) 1718948E-5643337N

Catchment: Patea

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

General condition

- a. The consent holder shall pay to the Taranaki Regional Council (the Council) all the administration, monitoring and supervision costs of this consent, fixed in accordance 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. All runoff from any unvegetated area shall pass through settlement ponds or sediment traps with a minimum total capacity of:
 - a) 100 cubic metres for every hectare of exposed soil between 1 November to 30 April; and
 - b) 200 cubic metres for every hectare of exposed soil between 1 May to 31 October;unless other sediment control measures that achieve an equivalent standard are agreed to by the Chief Executive of the Taranaki Regional Council.
- 3. There shall be no direct discharge of untreated stormwater or washwater into surface water as a result of the exercise of this consent.
- 4. The active quarry site shall be contoured/bunded to:
 - ensure that all water generated in this area is directed to the stormwater treatment system prior to discharge; and
 - prevent the flow of uncontaminated stormwater into this area.
- 5. Constituents of the discharge shall meet the standards shown in the following table.

| Constituent | Standard |
|--------------------|---|
| suspended solids | Concentration not greater than 200 gm ⁻³ |
| oil and grease | Concentration not greater than 15 gm ⁻³ |

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

Consent 5002-2

6. After allowing for reasonable mixing, within a mixing zone extending 75 metres downstream of the confluence with the unnamed tributary with the Patea River, the discharge shall not give rise to any or all of the following effects in the receiving water of the Patea River:
 - a) an increase of pH by more than 0.5 pH units;
 - b) a decrease in river clarity of more than 50%;
 - c) the production of any conspicuous oil or grease films, scums or foams, or floatable or suspended materials;
 - d) any conspicuous change in colour or visual clarity;
 - e) any emission of objectionable odour;
 - f) the rendering of fresh water unsuitable for consumption by farm animals;
 - g) any significant adverse effects on aquatic life.
7. The consent holder shall maintain a contingency plan. The contingency plan shall be adhered to in the event of a spill or emergency and shall, to the satisfaction of the Chief Executive, Taranaki Regional Council, detail measures and procedures to be undertaken to prevent spillage or accidental discharge of contaminants not authorised by this consent and measures to avoid, remedy or mitigate the environmental effects of such a spillage or discharge.
8. In accordance with section 128 and section 129 of the Resource Management Act 1991, the Taranaki Regional Council may serve notice of its intention to review, amend, delete or add to the conditions of this resource consent by giving notice of review during the month of June 2016 and/or June 2022 for the purpose of ensuring that the conditions are adequate to deal with any adverse effects on the environment arising from the exercise of this resource consent, which were either not foreseen at the time the application was considered or which it was not appropriate to deal with at the time.

Transferred at Stratford on 1 May 2024

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: Vickers Quarries Limited
683 York Road
RD 24
STRATFORD 4394

Decision Date
(Change): 22 May 2014

Commencement Date
(Change): 22 May 2014 (Granted Date: 12 September 2012)

Conditions of Consent

Consent Granted: To discharge treated stormwater, groundwater and washwater from a quarry site onto and into land and into an unnamed tributary of the Waipuku Stream

Expiry Date: 01 June 2027

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

Site Location: York Road, Midhirst

Legal Description: Secs 51 & 52 Blk XVI Egmont SD (Discharge source & site)

Grid Reference (NZTM) 1702842E-5650466N

Catchment: Waitara

Tributary: Manganui
Waipuku

*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. No less than 30 days, prior to beginning excavation in the proposed quarry extension shown in the indicative plan attached to this consent, the consent holder shall provide to the Chief Executive, Taranaki Regional Council a detailed stage plan for the proposed quarry operation.
2. The detailed stage plan required under condition 1 above shall show a minimum buffer of:
 - a) 10 metres between the new quarry area and the unnamed tributary of the Waipuku Stream; and
 - b) 20 metres between the existing quarry area and larger tributary of the Waipuku Stream.

No excavation shall occur within these buffers.

3. At least 30 days prior to commencing quarrying in each stage, the consent holder shall prepare, and subsequently maintain, a detailed stormwater management plan that documents how the site will be managed to ensure that stormwater, washwater and groundwater is adequately managed and treated prior to the discharge into the stream. Details of the management of each site shall include, but not necessarily limited to, the:
 - a) diversion of streams;
 - b) groundwater taken incidental to the quarry operation;
 - c) treatment of stormwater, groundwater, washwater and incidental groundwater, prior to the discharge into the streams; and
 - d) measures and procedures to be undertaken to prevent the spillage of accidental discharge of contaminants in the stormwater catchment, and measures to avoid, remedy or mitigate the environmental effects of such spillage.

The stormwater management plan shall be certified by the Chief Executive, Taranaki Regional Council and shall be followed at all times.

4. 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.
5. The consent holder shall operate and progressively reinstate the quarry site in a manner which ensures that the area of exposed, un-vegetated earth, within the quarry's stormwater catchment is kept to a minimum at all times.
6. The stormwater discharged shall be from a catchment area not exceeding 36 hectares.

Consent 4905-3.1

7. 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 does not breach the conditions of this consent. The settling ponds system shall be operated, as far as practicable, so as to minimise the duration and frequency of discharges.
8. There shall be no direct discharge of untreated stormwater or groundwater from the active quarry site into any surface water.
9. 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.

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) the production of any conspicuous oil or grease films, scums or foams, or floatable or suspended materials;
 - b) any conspicuous change in the colour or visual clarity;
 - c) any emission of objectionable odour;
 - d) the rendering of fresh water unsuitable for consumption by farm animals;
 - e) any significant adverse effects on aquatic life.
11. 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 Waipuku Stream 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 Waipuku Stream 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).
12. The washing and washwater treatment system shall be bunded to prevent the inflow of stormwater and/or groundwater from any other areas of the quarry. In addition, the consent holder shall implement appropriate re-circulatory systems to minimise the volume of washwater being discharged off-site.

Consent 4905-3.1

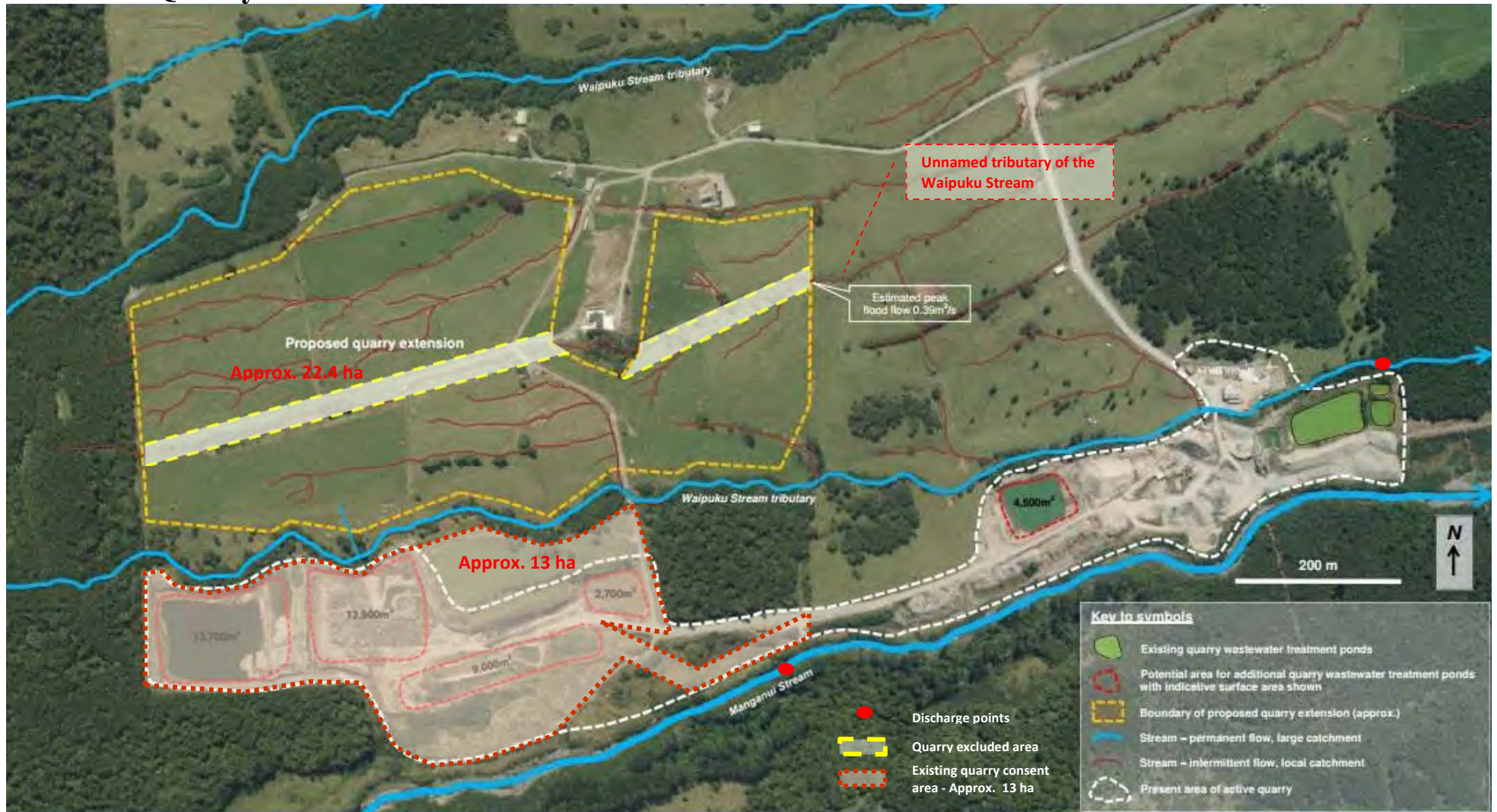
13. The consent holder shall notify the Chief Executive, Taranaki Regional Council, prior to making any changes to the processes or operations undertaken at the site, or the chemicals used or stored on site that could alter the nature of the discharge. Any such change shall then only occur following 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.
14. In accordance with section 128 and section 129 of the Resource Management Act 1991, the Taranaki Regional Council may serve notice of its intention to review, amend, delete or add to the conditions of this resource consent by giving notice of review during the month of June 2016 and/or June 2018, and/or June 2020, and/or June 2022, and/or June 2024, and/or June 2026, 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 22 May 2014

For and on behalf of
Taranaki Regional Council

A D McLay
Director - Resource Management

Indicative Quarry Plan – Attachment for Consent 4905



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

Name of
Consent Holder: Vickers Quarries Limited
683 York Road
RD 24
STRATFORD 4394

Decision Date
(Change): 22 May 2014

Commencement Date
(Change): 22 May 2014 (Granted Date: 12 September 2012)

Conditions of Consent

Consent Granted: To discharge treated stormwater and groundwater seepage from quarry operations into an unnamed tributary of the Manganui River

Expiry Date: 01 June 2027

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

Site Location: York Road, Midhirst

Legal Description: Pt Clsd Rd SO 10236 Adj Sec 24 Pt Secs 21 & 48
Blk XVI Egmont SD Sec 47 Blk XVI Egmont SD
(Discharge source & site)

Grid Reference (NZTM) 1702094E-5650120N

Catchment: Waitara

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. No less than 30 days, prior to beginning excavation in the proposed quarry extension shown in the indicative plan attached to this consent, the consent holder shall provide to the Chief Executive, Taranaki Regional Council a detailed stage plan for the proposed quarry operation.
2. The detailed stage plan required under condition 1 above shall show a minimum buffer of:
 - a) 10 metres between the new quarry area and the unnamed tributary of the Waipuku Stream; and
 - b) 20 metres between the existing quarry area and larger tributary of the Waipuku Stream.

No excavation shall occur within these buffers.

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

The stormwater management plan shall be certified by the Chief Executive, Taranaki Regional Council and shall be followed at all times.

4. 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.
5. The consent holder shall operate and progressively reinstate the quarry site in a manner which ensures that the area of exposed, un-vegetated earth, within the quarry's stormwater catchment is kept to a minimum at all times.
6. The stormwater discharged shall be from a catchment area not exceeding 36 hectares.

Consent 5218-2.1

7. 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.
8. There shall be no direct discharge of untreated stormwater or groundwater from the active quarry site into any surface water.
9. 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.

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) the production of any conspicuous oil or grease films, scums or foams, or floatable or suspended materials;
 - b) any conspicuous change in the colour or visual clarity;
 - c) any emission of objectionable odour;
 - d) the rendering of fresh water unsuitable for consumption by farm animals;
 - e) any significant adverse effects on aquatic life
11. 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 Waipuku Stream 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 Waipuku Stream 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).
12. The consent holder shall notify the Chief Executive, Taranaki Regional Council, prior to making any changes to the processes or operations undertaken at the site, or the chemicals used or stored on site that could alter the nature of the discharge. Any such change shall then only occur following receipt of any necessary approval under the Resource Management Act. Notification shall include the consent number, a brief description of the activity consented and an assessment of the environmental effects of any changes, and be emailed to consents@trc.govt.nz.

Consent 5218-2.1

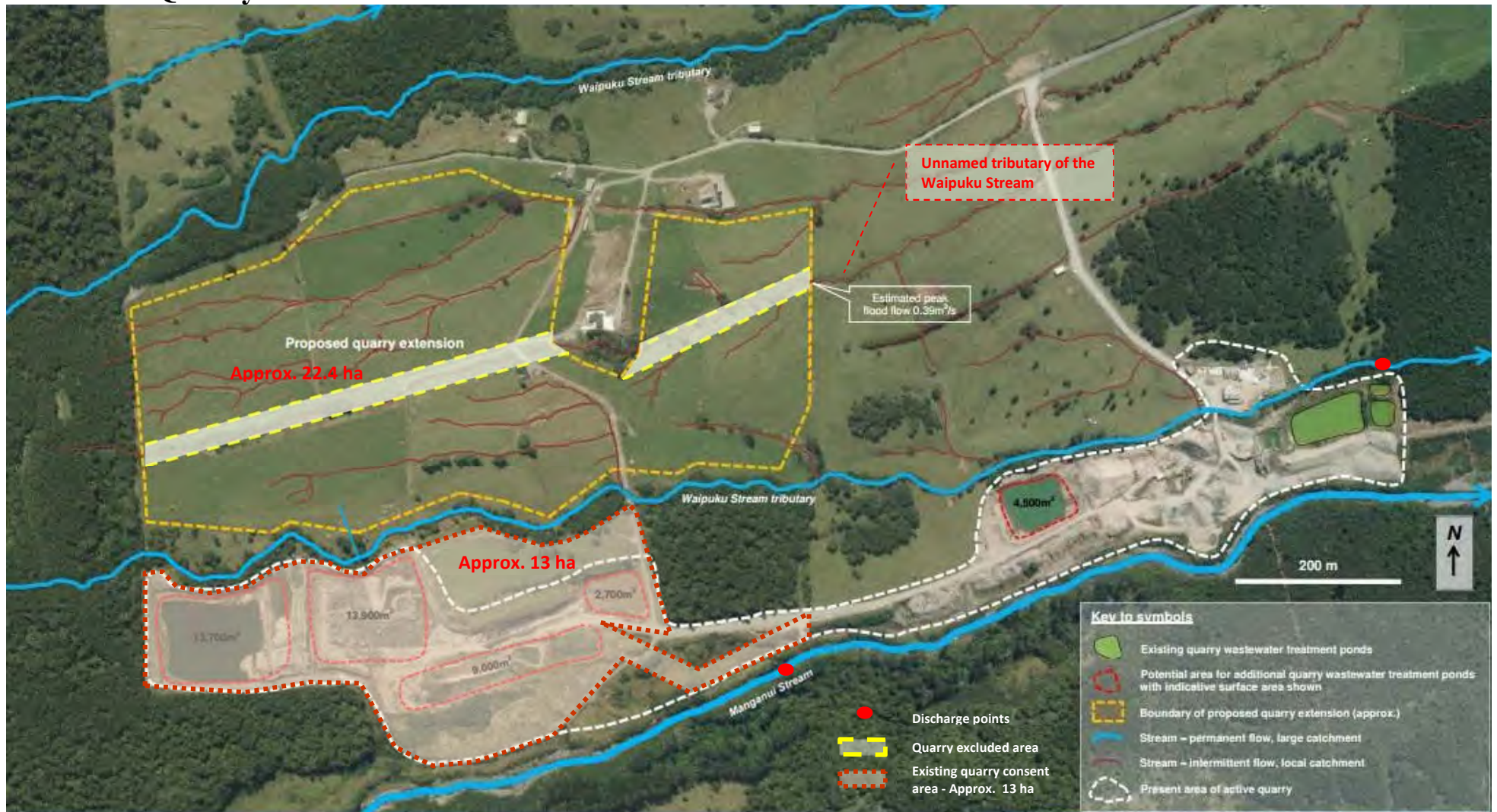
13. In accordance with section 128 and section 129 of the Resource Management Act 1991, the Taranaki Regional Council may serve notice of its intention to review, amend, delete or add to the conditions of this resource consent by giving notice of review during the month of June 2016 and/or June 2018, and/or June 2020, and/or June 2022, and/or June 2024, 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 22 May 2014

For and on behalf of
Taranaki Regional Council

A D McLay
Director - Resource Management

Indicative Quarry Plan – Attachment for Consent 5218



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: Vickers Quarries Limited
 125 Radnor Road
 R D 24
 STRATFORD

Consent Granted 18 August 2008
Date:

Conditions of Consent

Consent Granted: To erect, place and maintain a rock rip-rap wall to the left
 bank of the Manganui River for erosion control purposes at
 or about (NZTM) 1702246E-5650163 and
 1702541E-5650262N

Expiry Date: 1 June 2027

Review Date(s): June 2015, June 2021

Site Location: York Road, Stratford

Legal Description: Sec 47 Blk XVI Egmont SD

Catchment: Waitara

Tributary: Manganui

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

General conditions

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

Special conditions

1. The exercise of this consent shall be undertaken in accordance with the documentation submitted in support of application 6061. If there is any conflict between the documentation submitted in support of application 6061 and the conditions of this consent, the conditions of this consent shall prevail.
2. Any disturbance of parts of the riverbed covered by water and/or any works which may result in downstream discolouration of water shall be undertaken only between 1 November and 30 April, except where this requirement is waived in writing by the Chief Executive, Taranaki Regional Council.
3. The consent holder shall notify the Chief Executive, Taranaki Regional Council, in writing at least 48 hours prior to the commencement and upon completion of the initial installation and again at least 48 hours prior to and upon completion of any subsequent maintenance works which would involve disturbance of or deposition to the riverbed or discharges to water. Notification shall include the consent number and a brief description of the activity consented and be emailed to worknotification@trc.govt.nz. Notification by fax or post is acceptable only if the consent holder does not have access to email.
4. The consent holder shall ensure that the area and volume of riverbed disturbance shall, so far as is practicable, be minimised and any areas which are disturbed shall, so far as is practicable, be reinstated.
5. The consent holder shall take all reasonable steps to:
 - a. minimise the amount of sediment discharged to the stream;
 - b. minimise the amount of sediment that becomes suspended in the stream; and
 - c. mitigate the effects of any sediment in the stream.

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

Consent 7360-1

6. Except with the written agreement of the Chief Executive, Taranaki Regional Council, the structure[s] authorised by this consent shall be removed and the area reinstated, if and when the structure is no longer required. A further resource consent may be required to authorise the removal of the structure, and the consent holder is advised to seek advice from the Council on this matter.
7. The exercise of this consent shall not alter the natural flow of the river or restrict the passage of fish.
8. This consent shall lapse 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.
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 2015 and/or June 2021, 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 August 2008

For and on behalf of
Taranaki Regional Council

Director-Resource Management

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

Name of
Consent Holder: Vickers Quarries Limited
683 York Road
RD 24
STRATFORD 4394

Decision Date: 22 May 2014

Commencement Date: 22 May 2014

Conditions of Consent

Consent Granted: To disturb and reclaim the streambed sections of unnamed tributaries of Waipuku Stream, in association with quarry operations

Expiry Date: 01 June 2027

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

Site Location: York Road, Midhirst

Legal Description: Lot 2 DP 366171 (Site of reclamation)

Grid Reference (NZTM) 1701748E-5650551N

Catchment: Waitara

Tributary Manganui
Waipuku

*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. No less than 30 days, prior to beginning excavation in the proposed quarry extension shown in the indicative plan attached to this consent, the consent holder shall provide to the Chief Executive a detailed stage plan for the proposed quarry operation.
2. The detailed stage plan required under condition 1 above shall show a minimum buffer of:
 - a) 10 metres between the new quarry area and the unnamed tributary of the Waipuku Stream; and
 - b) 20 metres between the existing quarry area and larger tributary of the Waipuku Stream.

No excavation shall occur within these buffers.

3. At least 30 days prior to commencing quarrying in each stage, the consent holder shall prepare, and subsequently maintain, a detailed stormwater management plan that documents how the site will be managed to ensure that stormwater, washwater and groundwater is adequately managed and treated prior to the discharge into the stream. Details of the management of each site shall include, but not necessarily limited to, the:
 - a) diversion of streams;
 - b) groundwater taken incidental to the quarry operation;
 - c) treatment of stormwater, groundwater, washwater and incidental groundwater, prior to the discharge into the streams; and
 - d) measures and procedures to be undertaken to prevent the spillage of accidental discharge of contaminants in the stormwater catchment, and measures to avoid, remedy or mitigate the environmental effects of such spillage.

The stormwater management plan shall be certified by the Chief Executive, Taranaki Regional Council and shall be followed at all times.

4. The disturbance and reclamation of the streambed sections shall be as per the stormwater management plan submitted under condition 2 of this consent.
5. 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.
6. The consent holder shall notify the Chief Executive, Taranaki Regional Council, in writing of the date that the activity is expected to commence. Notification shall occur by email to worknotification@trc.govt.nz and be provided at least 2 working days before.

Consent 9812-1.1

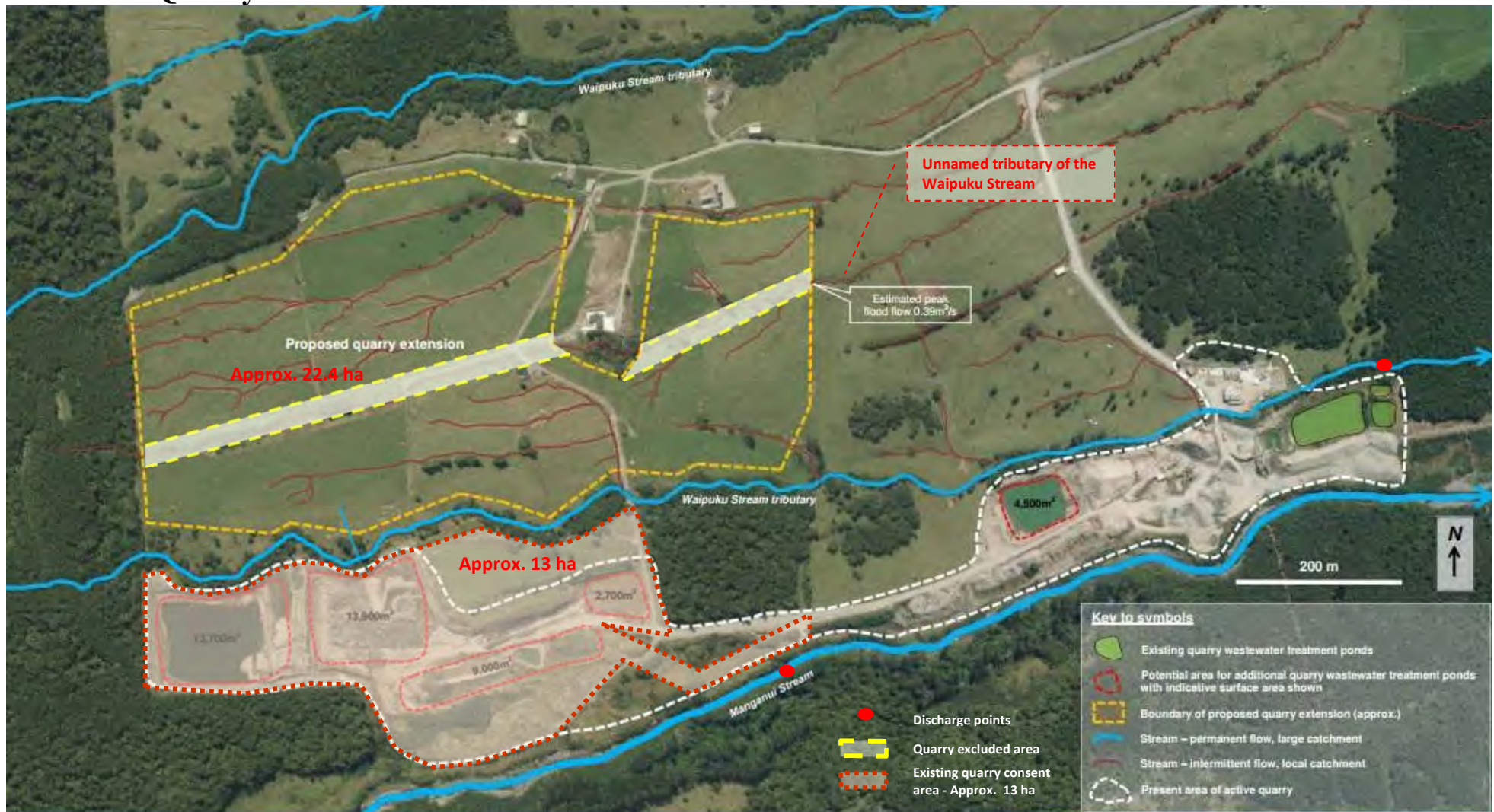
7. This consent will lapse on 1 June 2027.
8. In accordance with section 128 and section 129 of the Resource Management Act 1991, the Taranaki Regional Council may serve notice of its intention to review, amend, delete or add to the conditions of this resource consent by giving notice of review during the month of June 2016 and/or June 2018, and/or June 2020, and/or June 2022, and/or June 2024, 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 22 May 2014

For and on behalf of
Taranaki Regional Council

A D McLay
Director - Resource Management

Indicative Quarry Plan – Attachment for Consent 9812



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: Vickers Quarries Limited
683 York Road
RD 24
STRATFORD 4394

Decision Date: 22 May 2014

Commencement Date: 22 May 2014

Conditions of Consent

Consent Granted: To take groundwater incidental to quarry operations

Expiry Date: 01 June 2027

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

Site Location: York Road, Midhirst

Legal Description: Lot 2 DP 366171 (Site of take)

Grid Reference (NZTM) 1701748E-5650551N

Catchment: Waitara

Tributary: Manganui
Waipuku

*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. No less than 30 days, prior to beginning excavation in the proposed quarry extension shown in the indicative plan attached to this consent, the consent holder shall provide to the Chief Executive a detailed stage plan for the proposed quarry operation.
2. The detailed stage plan required under condition 1 above shall show a minimum buffer of:
 - a) 10 metres between the new quarry area and the unnamed tributary of the Waipuku Stream; and
 - b) 20 metres between the existing quarry area and larger tributary of the Waipuku Stream.

No excavation shall occur within these buffers.

3. At least 30 days prior to commencing quarrying in each stage, the consent holder shall prepare, and subsequently maintain, a detailed stormwater management plan that documents how the site will be managed to ensure that stormwater, washwater and groundwater is adequately managed and treated prior to the discharge into the stream. Details of the management of each site shall include, but not necessarily limited to, the:
 - a) diversion of streams;
 - b) groundwater taken incidental to the quarry operation;
 - c) treatment of stormwater, groundwater, washwater and incidental groundwater, prior to the discharge into the streams; and
 - d) measures and procedures to be undertaken to prevent the spillage of accidental discharge of contaminants in the stormwater catchment, and measures to avoid, remedy or mitigate the environmental effects of such spillage.

The stormwater management plan shall be certified by the Chief Executive, Taranaki Regional Council and shall be followed at all times.

4. The taking of groundwater shall be incidental to the quarrying activities at the site.
5. The consent holder shall notify the Chief Executive, Taranaki Regional Council, in writing of the date that the activity is expected to commence. Notification shall occur by email to worknotification@trc.govt.nz and be provided at least 2 working days before.
6. At all times the consent holder shall adopt the best practicable option to prevent or minimise any actual or likely adverse effect on the environment associated with the abstraction of groundwater.

Consent 9850-1.0

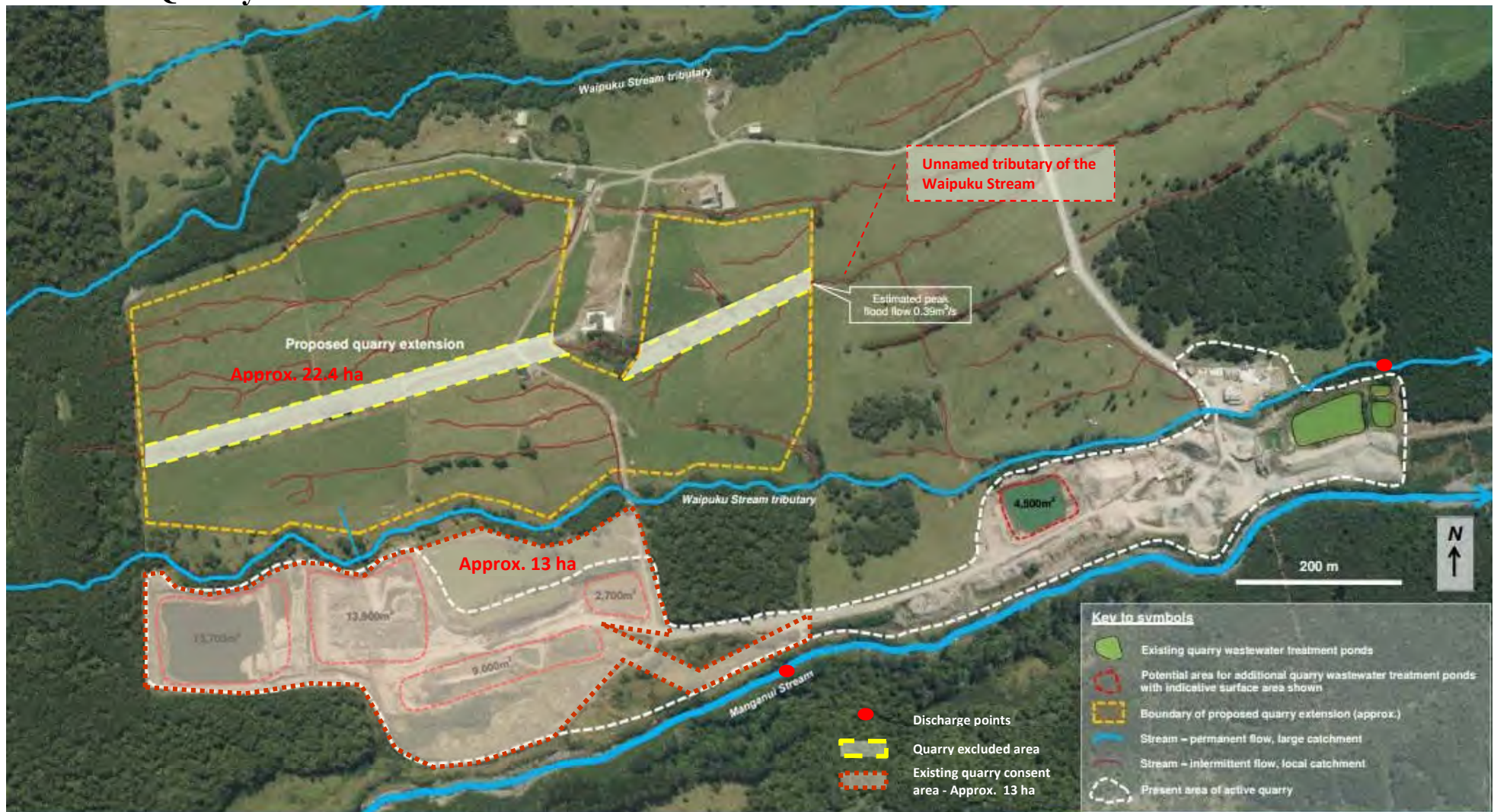
7. This consent will lapse on 1 June 2027.
8. In accordance with section 128 and section 129 of the Resource Management Act 1991, the Taranaki Regional Council may serve notice of its intention to review, amend, delete or add to the conditions of this resource consent by giving notice of review during the month of June 2016 and/or June 2018, and/or June 2020, and/or June 2022, and/or June 2024, 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 22 May 2014

For and on behalf of
Taranaki Regional Council

A D McLay
Director - Resource Management

Indicative Quarry Plan – Attachment for Consent 9850



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.