

**ORDINARY MEETING**

**OF**

**CITY STRATEGY COMMITTEE**

**AGENDA**

**Time:** 9.30am  
**Date:** Thursday, 22 February 2018  
**Venue:** Committee Room 1  
Ground Floor, Council Offices  
101 Wakefield Street  
Wellington

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**MEMBERSHIP**

Mayor Lester  
Councillor Calvert  
Councillor Calvi-Freeman  
Councillor Dawson  
Councillor Day  
Councillor Fitzsimons  
Councillor Foster  
Councillor Free  
Councillor Gilberd  
Councillor Lee  
Councillor Marsh  
Councillor Pannett (Chair)  
Councillor Sparrow  
Councillor Woolf  
Councillor Young

**NON-VOTING MEMBERS**

Te Rūnanga o Toa Rangatira Incorporated  
Port Nicholson Block Settlement Trust

**Have your say!**

*You can make a short presentation to the Councillors at this meeting. Please let us know by noon the working day before the meeting. You can do this either by phoning 803-8334, emailing [public.participation@wcc.govt.nz](mailto:public.participation@wcc.govt.nz) or writing to Democratic Services, Wellington City Council, PO Box 2199, Wellington, giving your name, phone number and the issue you would like to talk about.*

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## AREA OF FOCUS

The role of the City Strategy Committee is to set the broad vision and direction of the city, determine specific outcomes that need to be met to deliver on that vision, and set in place the strategies and policies, bylaws and regulations, and work programmes to achieve those goals.

In determining and shaping the strategies, policies, regulations, and work programme of the Council, the Committee takes a holistic approach to ensure there is strong alignment between the objectives and work programmes of the seven strategic areas of Council, including:

- Environment and Infrastructure – delivering quality infrastructure to support healthy and sustainable living, protecting biodiversity and transitioning to a low carbon city
- Economic Development – promoting the city, attracting talent, keeping the city lively and raising the city's overall prosperity
- Cultural Wellbeing – enabling the city's creative communities to thrive, and supporting the city's galleries and museums to entertain and educate residents and visitors
- Social and Recreation – providing facilities and recreation opportunities to all to support quality living and healthy lifestyles
- Urban Development – making the city an attractive place to live, work and play, protecting its heritage and accommodating for growth
- Transport – ensuring people and goods move efficiently to and through the city
- Governance and Finance – building trust and confidence in decision-making by keeping residents informed, involved in decision-making, and ensuring residents receive value for money services.

The City Strategy Committee also determines what role the Council should play to achieve its objectives including: Service delivery, Funder, Regulator, Facilitator, Advocate

The City Strategy Committee works closely with the Long-term and Annual Plan committee to achieve its objectives.

**Quorum:** 8 members

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**TABLE OF CONTENTS**  
**22 FEBRUARY 2018**

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<b>Business</b>	<b>Page No.</b>
<b>1. Meeting Conduct</b>	<b>5</b>
<b>1.1 Apologies</b>	<b>5</b>
<b>1.2 Conflict of Interest Declarations</b>	<b>5</b>
<b>1.3 Confirmation of Minutes</b>	<b>5</b>
<b>1.4 Public Participation</b>	<b>5</b>
<b>1.5 Items not on the Agenda</b>	<b>5</b>
<b>2. Policy</b>	<b>7</b>
<b>2.1 Kiwi Point Quarry Update and District Plan Change 83</b>	
<b>Presented by: Cr Foster</b>	<b>7</b>
<b>3. Operational</b>	<b>131</b>
<b>3.1 Oral Hearings for Zipline Proposal Southern Landfill</b>	
<b>Presented by: Cr Gilberd</b>	<b>131</b>



## **1 Meeting Conduct**

### **1.1 Apologies**

The Chairperson invites notice from members of apologies, including apologies for lateness and early departure from the meeting, where leave of absence has not previously been granted.

### **1.2 Conflict of Interest Declarations**

Members are reminded of the need to be vigilant to stand aside from decision making when a conflict arises between their role as a member and any private or other external interest they might have.

### **1.3 Confirmation of Minutes**

The minutes of the meeting held on 8 February 2018 will be put to the City Strategy Committee for confirmation.

### **1.4 Public Participation**

A maximum of 60 minutes is set aside for public participation at the commencement of any meeting of the Council or committee that is open to the public. Under Standing Order 3.23.3 a written, oral or electronic application to address the meeting setting forth the subject, is required to be lodged with the Chief Executive by 12.00 noon of the working day prior to the meeting concerned, and subsequently approved by the Chairperson.

### **1.5 Items not on the Agenda**

The Chairperson will give notice of items not on the agenda as follows:

#### ***Matters Requiring Urgent Attention as Determined by Resolution of the City Strategy Committee.***

1. The reason why the item is not on the agenda; and
2. The reason why discussion of the item cannot be delayed until a subsequent meeting.

#### ***Minor Matters relating to the General Business of the City Strategy Committee.***

No resolution, decision, or recommendation may be made in respect of the item except to refer it to a subsequent meeting of the City Strategy Committee for further discussion.



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## 2. Policy

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# KIWI POINT QUARRY UPDATE AND DISTRICT PLAN CHANGE 83

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### Purpose

1. To advise the Committee on the outcomes of an engagement process relating to the future of the Kiwi Point Quarry in Ngauranga Gorge, and to propose the notification of a change to the Wellington City District Plan that would rezone an area of the quarry from Open Space B to Business 2 in order to provide for the expansion of the quarry and allow for its ongoing operation and development.

### Summary

2. The Committee last considered this topic on 14 September 2017 when it agreed to undertake an engagement process on future options for the Kiwi Point Quarry. Those options were:
  - Option 1 – Closure of the Quarry when the existing northern face is exhausted
  - Option 2 – Quarry the already permitted area on the southern face
  - Option 3 – ‘Medium’ expansion into the southern face
  - Option 4 – Maximum expansion into the southern face
3. That engagement process is now complete. A report on the consultation process is attached as Attachment 1 (**note:** due to its length, the appendices to the engagement report have not been attached and are instead available on the Council’s website at [www.wellington.govt.nz/kiwipointquarry](http://www.wellington.govt.nz/kiwipointquarry)).
4. The majority of feedback was positive, with an overall preference for the maximum expansion option. When submissions were considered based on the location of submitters, those who were on the boundary with the quarry had a preference for closure of the quarry while those who had views of the site, or lived further afield, were more supportive of the expansion options.
5. Opinions were also sought on potential screening options, as well as open ended feedback on any other matters submitters wanted to raise.
6. On the basis of the engagement undertaken and the supporting technical information, it is recommended that the Council proceed with the notification of a District Plan change that would provide for the maximum expansion option.

### Recommendation/s

That the City Strategy Committee:

1. Note the contents of the Kiwi Point Quarry Public Engagement Report as set out in Attachment 1 of this report.
2. Agree to notify proposed Plan Change 83 – Kiwi Point Quarry, as set out in Attachments 2 and 3 of this report, in accordance with the requirements of the First Schedule of the Resource Management Act 1991.

3. Agree that if Plan Change 83 is made operative, that Areas 1 and 2 as identified in Attachment 4 be classified respectively as scenic reserve, for the purposes specified in s.19(1)(a) and s.19(1)(b) of the Reserves Act 1977.
4. Agree to delegate to the Chairperson of the City Strategy Committee and the Chief Executive the authority to make any changes to the Plan Change document and the Section 32 report required as a result of decisions of this Committee, as well as minor editorial amendments, prior to Plan Change 83 being notified.

## **Background**

7. Kiwi Point Quarry has been operating since the 1920s, however it is now coming towards the end of its economically feasible life. At the present rate of extraction of some 300,000 – 400,000 tonnes annually, the northern face of the quarry only has an estimated 3-4 years of capacity available.
8. The quarry provides valuable aggregate material for roading products, concrete aggregate, asphaltic aggregate and other aggregate products. The quarry is owned by the Council but is run by a contractor who pays a royalty for products sold and clean fill deposited within the quarry.
9. The quarry has previously been subject to District Plan change processes. District Plan Changes 25 and 26, both completed in July 2006, provided for some expansion to the south of the quarry and rationalised some of the boundaries within the site. Plan Change 64, completed in July 2009, made further changes to the District Plan provisions governing the use of the site.
10. Given the impending expiry of available quarry material, consideration was given to options for the future of the quarry. These ranged from closure of the quarry to options for expanding into other areas of the site.
11. These options formed the basis of the engagement process that was undertaken from 22 September to 30 October 2017. Since that time, work has also progressed on drafting potential amendments to the District Plan, and on preparing the section 32 (assessment of alternatives, costs and benefits) analysis that accompanies and underpins the proposed changes.

## **Discussion**

### Engagement Process

12. The engagement process commenced in late 2017:
  - The engagement was based on four options for the future of the quarry:
    - Option 1 - Closure of the quarry when the existing northern face is exhausted.
    - Option 2 - Quarry the already permitted area on the southern face.
    - Option 3 - 'Medium' expansion into the southern face.
    - Option 4 - Maximum expansion into the southern face.
  - 1028 letters were sent to nearby residents and businesses. This was comprised of 256 properties in Johnsonville, 595 in Broadmeadows, 68 in Newlands and 109 in Khandallah.

- Meetings were held with key stakeholders – Iwi, Greater Wellington Regional Council and NZTA.
  - Two open days were held in late September and early October 2017 on a Saturday morning and Wednesday evening. The open days were attended by 19 people.
  - The Council website was also used as an engagement tool – the relevant consultation material was made available on it. This was supplemented by the use of social media to advertise the engagement period.
  - 67 submissions were received. In terms of the four options presented:
    - 24% (16 submitters) supported closure of the quarry.
    - 54% (36 submitters) supported the maximum expansion option.
    - 12% (8 submitters) supported the medium expansion option.
    - 7% (5 submitters) were unsure and 3% (2 submitters) selected 'other'.
13. Feedback from the engagement process can be summarised as follows:
- Respondents varied in their location relative to the quarry site. Responses were received from residents on the boundary of the quarry (15), residents with a view of the quarry (21), businesses using quarry products (12), ratepayers from further afield (19), and surrounding businesses (5).
  - Residents on the boundary of the quarry had a preference for closure of the quarry (8 respondents), with three respondents supporting Option 3 (medium expansion), three respondents supporting Option 4 (maximum expansion) and one respondent unsure.
  - Residents with a view of the quarry had a slight preference for closure of the quarry (9 respondents) compared to maximum expansion (8 respondents), with two respondents unsure, and two preferring the medium expansion option.
  - Ratepayers from further afield had a clear preference for Option 4 (13 respondents), three respondents supported closure, and two supported the medium expansion option.
  - Businesses using quarry products also had a clear preference for Option 4 (11 respondents), with one respondent supporting the medium expansion option.
  - Respondents classified as 'Other', being overseas or out of town residents, or those renting, had a preference for Option 4 (5 respondents).
14. Feedback was also sought on screening options for the site. Planting was the most popular of the available options, with 30 responses, followed by the implementation of urban design features such as decorative panels with 11 responses. Planting and urban design features were most commonly selected in conjunction with each other. 19 respondents did not consider that screening was important.
15. Open ended responses focussed on environmental concerns, visual effects, alternative and future sources of aggregate material, economic impacts, and alternative and future uses of the quarry.
16. Comments relating to environmental concerns focussed on noise, dust, seismic and ecological issues, but also covered sedimentation runoff, and the discharge of other contaminants.

17. Submission points relating to visual effects focussed on the impacts on surrounding landowners i.e. those overlooking the site, and also on the positioning of the quarry as it relates to Ngauranga Gorge, and to the 'gateway experience' of arriving in Wellington via the gorge.
18. Some submitters commented on the economic importance of the quarry and its role in the city's growth. Conversely, other submitters pointed to the relative proximity of the Horokiwi quarry as an alternative source of material. Other submitters also pointed to the need for the city, and region, to secure a longer term aggregate supply.
19. Lastly, some submitters commented on alternative uses of the site, including transforming the site to a nature reserve when the northern face is exhausted.
20. Based on the feedback received, the strategic importance of the quarry and its product, the significant technical work undertaken to inform the option assessment, and the ability to suitably address the adverse effects of the proposal, it is recommended that the Committee proceed to the notification as outlined in the following section.

#### District Plan Change

21. It is proposed to notify a Plan Change to the District Plan to proceed with Option 4 – Maximum Expansion. Changes proposed to the District Plan, along with a section 32 cost-benefit analysis, are attached as Attachments 2 and 3. The basis for selecting Option 4 is also outlined in detail in the section 32 analysis. It followed a multi-criteria assessment that scored Option 4 as the preferred option. **Note:** due to its length, the appendices to the section 32 analysis have not been attached and are instead available on the Council's website at [www.wellington.govt.nz/kiwipointquarry](http://www.wellington.govt.nz/kiwipointquarry)
22. The proposed changes to the District Plan would:
  - Rezone an area on the southern side of the quarry site from Open Space B to Business 2.
  - Introduce a new objective that recognises the importance of quarrying aggregates at Kiwi Point to provide for the future growth and development of the city.
  - Introduce a new controlled activity rule that applies to the rezoned southern face expansion area. The Council's control is maintained over buffer areas from residential sites, cut face rehabilitation, ecological mitigation, and screening.
  - Introduce a range of standards relating to the quarrying of the expanded site, make changes to a range of explanatory text and a number of consequential changes including changes to Planning Maps 22 and 23.
23. The Committee's decision today is to agree to notification of the Plan Change. This would commence the RMA plan change process allowing for submissions to be made on the proposed plan change, and for submitters to be heard in support of their submissions.

#### *Statutory Consultation*

24. In addition to the engagement process described above, a draft plan change has been sent to iwi, neighbouring councils, the Department of Conservation, Greater Wellington Regional Council, and the Minister for the Environment in accordance with the consultation requirements of Clauses 3 and 4A of the First Schedule to the Act. One response was received from Greater Wellington Regional Council (GWRC) which is attached as Attachment 5.

25. GWRC is conditionally supportive of the plan change, however raises some concerns about the ecological assessment undertaken informing the effects of the proposal. These concerns relate to the adequacy of the ecological assessment in respect of fish, lizards, and the suitability of the proposed ecological mitigation.
26. Following the primary ecological assessment, a further lizard specific assessment was undertaken. That assessment incorporated a lizard survey which did not locate any lizards on the site, however it was concluded that there is a moderate probability of some lizards species being present. To that end, artificial lizard retreats have been left on the site and a follow up visit in March is planned to further check for the presence of lizards. The report outlines mitigation options that can be undertaken in advance of quarry works should lizards be found or are assumed to be present. The options include pest control, habitat creation, and salvage and relocation.
27. The ecological assessment did not include a fish survey. It noted that there are no records from the Ngauranga Stream in the New Zealand Freshwater Fish database. It is noted that a fish survey was undertaken on the site as late as December 2016 in support of a resource consent application made to GWRC relating to quarry operations. That report concluded that the Ngauranga Stream had low ecological values.
28. Lastly, GWRC are concerned that the proposed mitigation does not address the loss of ngaio-māhoe-māpou forest, and that the area proposed for mitigation is only twice as large as the affected area, whereas it should be at least three times as large to adequately address the biodiversity loss. GWRC recommends that an alternative site be identified to address the loss of ngaio-māhoe-māpou forest, and that the area of mitigation be increased.
29. The loss of the ngaio-māhoe-māpou forest, and the lack of suitable sites in the vicinity to mitigate directly for its loss is acknowledged. The Council is limited in its ability to mitigate for this loss by the land that is in its ownership. There remains the opportunity to further consider options in this regard as the plan change process progresses.
30. Sufficient evidence has been provided with this plan change proposal for the purposes of notifying the plan change. The matters raised by GWRC, and indeed any other matters that might be raised through submissions received on the notified plan change, should be addressed at the hearing stage of the plan change process.

*Other issues raised through engagement*

31. The plan change seeks to address the effects of the proposal whilst acknowledging that the effects of a quarry cannot be fully avoided. Visual effects for instance are an inevitable aspect of quarry operations, and can only be mitigated, to the extent allowable by the characteristics of the site, over a longer timeframe. Rehabilitation of the cut faces will commence as soon as practicable following completion of quarry activity.
32. Some environmental effects, for instance dust and noise effects, are managed through both the District Plan and the Quarry Management Plan. The plan change addresses these matters by way of performance standards, for instance dust control measures or the timing of blasting for quarry activities. Further, rather than simply permitting quarrying of the proposed south face area, the plan change requires a resource consent to be sought (as a controlled activity) so that conditions can be imposed. Control is maintained over the location of buffer areas, the staging of quarrying to ensure the timely rehabilitation of cut faces, the contents of a quarry management plan, and ecological mitigation.
33. The areas proposed for reserve classification are shown in Attachment 4. Both areas are in Council ownership. It is proposed to re-vegetate the areas, in particular Area 2,

following their classification as reserve in order to mitigate the effects of the quarry activity. It is noted that a portion of Area 2 will be subject to a lease to the neighbouring abattoir for an emergency grazing area. This area would accordingly be fenced off from the reserve area. This is broadly consistent with the mitigation area identified by Wildlands Consultants in their ecological assessment.

34. Some submitters have expressed concerns over the stability of the slopes to be quarried. These matters have been considered by a number of investigations and reports that are discussed in the section 32 analysis and conclude that quarry operations can be undertaken in the area in a safe manner that does not pose a risk to surrounding properties. Moreover, these matters are also addressed by performance standards (cut batter angles and maximum heights) and a 70 metre buffer area for the proposed south face as compared to 25 metres for the existing northern face.
35. The future of quarry activity and the associated site remediation, will provide a future opportunity for the city. As noted in the CSC report of September 2017 the flat business land resulting from quarrying will also provide a development opportunity broadly estimated to be circa \$51 million at 2016 prices.

### **Options**

36. Options considered for the future of the quarry are those outlined above. The selection process is outlined in the attached Section 32 analysis and is based on a multi-criteria analysis.

### **Next Actions**

37. The plan change will be notified in accordance with the requirements of the First Schedule of the Resource Management Act 1991. This will involve a first round of submissions, before a round of further submissions and then a hearing.

### **Attachments**

Attachment 1.	Engagement Report	Page 14
Attachment 2.	Changes to the District Plan	Page 44
Attachment 3.	Section 32 Analysis	Page 57
Attachment 4.	Reserve Classification Map	Page 123
Attachment 5.	Greater Wellington Regional Council Feedback	Page 125

For your information: the consultation process report is available at the following link:

[www.wellington.govt.nz/kiwipointquarry](http://www.wellington.govt.nz/kiwipointquarry)

Author	Mitch Lewandowski, Principal Advisor Planning
Authoriser	John McSweeney, District Plan Manager Anna Harley, Manager City Design & Place Planning David Chick, Chief City Planner

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## **SUPPORTING INFORMATION**

### **Engagement and Consultation**

As outlined in the body of this report, there has been an extensive programme of engagement and consultation with neighbouring and surrounding landowners, key stakeholders, iwi and businesses.

### **Treaty of Waitangi considerations**

Both Port Nicholson Block Settlement Trust and Ngati Toa have been consulted as part of the engagement process. Further, the same parties have been provided with draft copies of the Plan Change to meet the requirements of the Resource Management Act and provided with the opportunity to comment specifically on the plan change provisions. In both cases, no concerns were raised with the intent of the plan change, and no comments were received on the particular provisions.

### **Financial implications**

Approval to notify the plan change will commence a statutory process which will have costs for the Council which will be met from existing operational budgets. Costs of a plan change will vary depending on its complexity and whether any subsequent decision is appealed to the Environment Court.

### **Policy and legislative implications**

The LTP identifies the quarry as a strategic asset for the city. The purpose of the plan change is to ensure a future supply of aggregate for the city from the existing quarry.

### **Risks / legal**

Notification of the plan change will begin a statutory process that ultimately provides submitters with the right to appeal a future Council decision to the Environment Court.

### **Climate Change impact and considerations**

Expansion of the quarry will maintain the supply of a local aggregate source thereby minimising the need for transportation of material from outside of the city.

### **Communications Plan**

There is no requirement for a communications plan from this point. A communications plan was prepared that addressed the now completed engagement process.

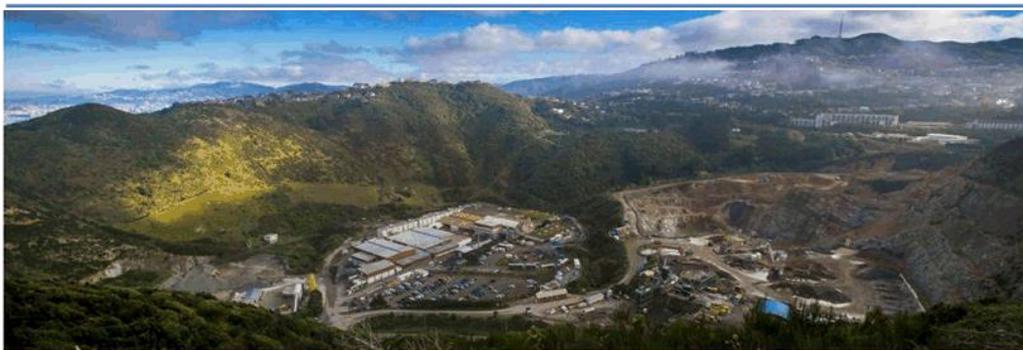
### **Health and Safety Impact considered**

None as a result of this paper. Health and safety issues relating to the quarry itself are addressed through the operational requirements of the quarry.

**Public Engagement Report**  
**Kiwi Point Quarry Expansion**

**Wellington City Council**

30 January 2018





## Quality Control

<b>Title</b>	Public Engagement Report, Kiwi Point Quarry Expansion, Wellington City Council
<b>Client</b>	Wellington City Council
<b>Version</b>	V3 - Final
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<b>File Reference</b>	C:\Users\Incite\Dropbox\Projects\Wellington City Council\WCC.0022 Kiwi Point Quarry\Consultation
<b>Prepared by</b>	Susan Rawles
<b>Signature</b>	
<b>Reviewed by</b>	Lindsay Daysh
<b>Signature</b>	

**Limitations:**

The report has been prepared for Wellington City Council, according to their instructions, to support the consultation phase of the Kiwi Point Quarry expansion project. This report has been prepared on the basis of information provided by the Wellington City Council, and their consultants for consultation and the submissions received. Incite has not independently verified the provided information and has relied upon it being accurate and sufficient for use by Incite in preparing the report. Incite accepts no responsibility for errors or omissions in the provided information.

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## Contents

<b>1. Kiwi Point Quarry Expansion Project .....</b>	<b>1</b>
1.1 Background .....	1
1.2 Future Development .....	1
1.3 Location.....	2
1.4 Project Objectives .....	2
<b>2. Purpose of Public Engagement.....</b>	<b>3</b>
2.1 Engagement Objectives .....	3
<b>3. Engagement Process .....</b>	<b>4</b>
3.1 Engagement Principles .....	4
3.2 Key stakeholders.....	4
3.3 Raising awareness and promoting participation .....	6
<b>4. Summary of Feedback .....</b>	<b>9</b>
4.1 Preferred Option for the Future of the Quarry.....	9
4.2 Screening the South Face of the Quarry .....	10
4.3 Relationship between Submitters and the Quarry .....	11
4.4 Additional Comment.....	13
<b>5. Summary .....</b>	<b>18</b>
5.1 Next Steps.....	18

<b>Appendix A:</b>	Kiwi Point Quarry Expansion Visuals
<b>Appendix B:</b>	File Notes - Iwi Meetings
<b>Appendix C:</b>	Letter to Nearby Residents and Businesses
<b>Appendix D:</b>	Open Day Display Boards
<b>Appendix E:</b>	Engagement Brochure
<b>Appendix F:</b>	Social Media Report
<b>Appendix G:</b>	Submission Form
<b>Appendix H:</b>	Collated Spreadsheet of Submissions Received



## **1. Kiwi Point Quarry Expansion Project**

### **1.1 Background**

Wellington City Council is currently considering future options for the ongoing operation of the Kiwi Point Quarry (the quarry) in the Ngauranga Gorge. The Ngauranga Gorge area has been extensively quarried over a number of years to provide aggregate material to the Wellington Region. The quarry site is owned by Wellington City Council (the Council). While the Council owns the quarry, Holcim (New Zealand) Ltd is the current operator who operates the quarry under a contract.

The current area available for extraction by the quarry operator is reaching its limit. The existing North Face area of the quarry is estimated to have another 3 to 4 years of rock resource available.

Forecasts predict by 2043 there will be 50-80,000 more residents in Wellington, which will mean more construction work requiring the types of rocks extracted from the Council-owned Kiwi Point Quarry.

There are two other quarries in Greater Wellington which supply the region with aggregate. If further land is not available at the Kiwi Point Quarry the resources in these other quarries will be depleted sooner. The products will also have to travel further to get from the quarry to their destination. As a bulk, low-cost product, the closer the source of aggregates is to the construction work it is required for, the more cost-effective it is.

The quarry provides a centrally located, available source of material and without it material may have to be transported into the Wellington Region at a much greater expense.

### **1.2 Future Development**

The existing quarry is zoned Business 2 in the Wellington District Plan. Quarrying is provided for in this zone as a permitted activity. There is a portion of land zoned Business 2, to the south of the existing quarry, which is not currently being quarried. It is a permitted activity to quarry this section of land, but it is not financially viable due to its small area.

There is additional land adjacent to the remaining land zoned Business 2 to the south of the existing quarry which is zoned Open Space B. This land has been identified for potential future quarrying. The addition of this land to the remaining quarry land would allow for an economically viable expansion of the quarry onto the quarry's south face.

The Council has identified four options, which are being considered by specialists for the future of the quarry:

- Option 1: do nothing and close the quarry when the north face rocks were exhausted.
- Option 2: quarry the already permitted south site remaining.



- Option 3: medium expansion to the south face; and
- Option 4: maximum expansion to the south face.

Option 1 and Option 2 would not provide the rock resources needed for the next 15-20 years of growth and construction in Wellington and are not considered financially viable. Option 4, maximum development would secure rock resources for Wellington City for the next 20 years, while Option 3 would allow for some expansion to the south face, but not to the extent of Option 4.

Visual representations of the options 3 and 4 prepared by Isthmus on behalf of the Council are attached in Appendix A.

In order to facilitate Option 3 or 4 a plan change would be required to change the zoning of the Open Space B land to Business 2. A plan change from Open Space B to Business 2 to provide for an expanded quarry area in the South Face would likely extend the life expectancy of the quarry by 15 to 20 years.

### **1.3 Location**

The quarry is located in the Ngauranga Gorge, to the north of Wellington CBD. Ngauranga Gorge is a highly modified environment but retains landscape qualities and characteristics of value. In particular, the Ngauranga Gorge is noted as part of the 'Gateway Experience' to Wellington. Further quarry development must be carefully evaluated and undertaken in a managed way that includes rehabilitation of quarried areas.

### **1.4 Project Objectives**

The project objectives for the review of the future operation of the quarry are:

- To enable extraction activity in a cost efficient manner to assist in meeting future regional aggregate demand.
- To plan and co-ordinate effective rehabilitation of the site post-quarry activity to enable viable long-term land use options.
- To manage the immediate and long-term cultural, social, land use and other environmental impacts of the Project by so far as practicable avoiding, remedying or mitigating any such effects.
- To minimise landscape impacts as far as practicable, recognising landscape values in the context of the gateway experience.



## **2. Purpose of Public Engagement**

### **2.1 Engagement Objectives**

Prior to the Council deciding which option to progress and to inform any potential plan change being undertaken, the Council undertook a consultation process with identified key stakeholders and the public. The official engagement period ran between the 22<sup>nd</sup> of September and the 30<sup>th</sup> of October 2017. The purpose of this process was to:

- Inform key stakeholders and the public of the options the Council are considering for the future of the quarry, why they are being considered and the potential implications; and
- Obtain stakeholder and public feedback on the proposed options.

The comments received from key stakeholders and the public throughout the engagement process will inform and shape the future of the quarry expansion.

The consultation and engagement objectives for this project are:

- Identify and engagement with all affected parties, including directly affected, stakeholders, Iwi and the wider community;
- Provide clear and concise information and communication;
- Create a platform for honest and open communication;
- Gain maximum participation engagement and feedback;
- Encourage active participation;
- Ensure that feedback is adequately documented and used to inform the plan change process;
- Receive maximum buy-in from stakeholders and the wider community; and
- Meet Wellington City Council's consultation policy and any statutory obligations.



## 3. Engagement Process

### 3.1 Engagement Principles

Public engagement requires a genuine commitment to communicate effectively with individuals and groups, and it is fundamental to the success of a project. When done well, it can improve both the quality of the project and the level of community buy-in to it. In order to undertake consultation in a meaningful manner, consultation was undertaken in accordance with the following key principles:

- Consultation will be based on commitment to open and honest communications with stakeholders and the wider community;
- Consultation is the discussion of a proposal not yet decided upon;
- Provision of regular and relevant information on the Project to inform affected parties and the wider community, and minimise the risk of misinformation;
- Sufficient time for consultation must be allowed;
- Opportunities for feedback must be provided;
- The views received in the feedback must be taken into account;
- Every effort will be made to resolve any issues raised by stakeholders or members of the wider public in a proactive, timely and appropriate manner; and
- The consultation approach should be flexible and able to be adapted if required.

The consultation and communication process will also adopt the principles of the International Association of Public Participation (IAP2).

### 3.2 Key stakeholders

The following key stakeholders were identified prior to the consultation process being undertaken:

#### Iwi

- Wellington Tenth Trust;
- Port Nicholson Block Settlement Trust; and
- Ngati Toa Rangatira.

#### Nearby Residents and businesses

- Residents (and respective residents associations or similar) from Khandallah, Broadmeadows, Johnsonville, and Newlands;
- Taylor Preston;
- Businesses in Tyers Lane;
- Westmount School; and
- Ryman Healthcare (Malvina Major Retirement Village).



Council departments

- Wellington City Council Parks, Sport & Recreation (PSR); and
- Wellington City Council Planning Policy Team.

Other

- NZ Transport Agency;
- Greater Wellington Regional Council; and
- The Department of Conservation.

Consultation undertaken with each of these groups is described in the sections below.

**3.2.1 Iwi**

Individual meetings were held with representatives from the Port Nicholson Block Settlement Trust and Te Runanga o Toa Rangatira Inc (Ngati Toa Rangatira) on the 31st of July and 5th of October 2012, respectively. The project team ran through the Kiwi Point Quarry Power Point presentation and provided the ecological report which has been undertaken as part of the project. No concerns were raised by either representative in relation to there being any tapu sites or sites of significance to iwi at the quarry. The representative from Port Nicholson Block Settlement Trust requested a copy of the lizard survey which is being undertaken over the summer.

The file notes from the meetings and follow up correspondence are included in Appendix B.

**3.2.2 Council Departments**

Meetings were held with Parks, Sport & Recreation several times during the development of the Project. This included participation into the options identification and identification of mitigation proposals. In addition Parks, Sport & Recreation commissioned the baseline ecological assessment carried out by Wildlands Consultants.

In addition discussions have been held with Planning Policy with the most recent of these being on 25 October 2017 shortly before the formal consultation process had closed. The intent of the meeting was to seek alignment on process issues should a plan change be endorsed by Council to go forward to public notification.

**3.2.3 Nearby Residents and Businesses**

A particular attempt was made to engage with residents who live in a close proximity to the quarry and/or who have a view of the quarry and business in close proximity to the Quarry. In total 1028 letters were sent to nearby residents and businesses. This was comprised of 256 households in Johnsonville, 595 households in Broadmeadows, 68 households in Newlands and 109 households in Khandallah.



The letter set out the background of the quarry and communicated to residents that the Council was investigating expanding the quarry. It specifically sought their feedback as nearby residents, provided the link to material on the Council's website and details on how to make a submission.

The letter sent to residents is attached in Appendix C.

In addition to sending the letter, the project team met with the owners of one residential property at their request to discuss the proposal and their concerns. Their concerns primarily related to the distance of the quarry to their property, mitigation of the cut face visible from their property and the duration of activities visible from their property. Following the meeting the residents were encouraged to and did make a submission.

#### **3.2.4 Other Key Stakeholders**

Individual stakeholder meetings were undertaken with The NZ Transport Agency and Greater Wellington Regional Council. The purpose of these meetings were to communicate the options being consulted on and the implications which may impact on the respective organisations. These organisations were encouraged to make a submission on the proposal, however, neither chose to do so. In addition the Department of Conservation was e-mailed to see if that organisation wished to have a briefing. No response was received.

Of note a submission was received from the Wellington Chamber of Commerce expressing support 'in principle' for maximum quarrying (Option 4). In addition, the submission called for more information regarding the ecological impacts of the proposal and the financial details surrounding investment and returns for Wellington ratepayers.

### **3.3 Raising awareness and promoting participation**

#### **3.3.1 Open Days**

Two open days were held. The first between 11am and 4pm on Saturday the 30<sup>th</sup> of September and the second between 5pm and 8pm on Wednesday the 4<sup>th</sup> of October. Open days were held at St John's Anglican Church, 18 Bassett Road, Johnsonville. A total of 16 people attended the Saturday open day and three attended the Wednesday afternoon open day.

#### **3.3.2 Public Engagement Display Boards, Brochure and Submission Form**

A series of display boards used a combination of text and graphics to explain a brief history of the quarry, the uses of the material it produces, the options and implications going forward and mitigation and remediation options. It included a number of visuals prepared for each option to show what they may look like from the surrounding neighbourhood before and after mitigation.

As participants viewed the boards, the project team were on-hand to explain and answer questions about the project.



Brochures including a summary of the information were also printed with similar information and made available to open day participants. Printed brochures and submission forms are available from Johnsonville Library, Khandallah Library, Wellington City Library and Wellington City Council.

Copies of the display boards and brochures used during public consultation are attached in Appendix D and E respectively.

### 3.3.3 Web Engagement

Both the display boards and engagement brochure were published on the Council website so people could refer to them while making a submission. The consultation material was posted on the Council website on the 'Consultations and Engagements' page under the 'Have Your Say' tab. Information relating to the consultation can now be found on the 'Closed Consultations' page<sup>1</sup>.

In addition to the Council's website the Council utilised social media between September 14 and October 28 to advertise the consultation period, encourage attendance at the open days and inform people about the options for the quarry. This included:

- Three Facebook posts;
- Two Facebook events (one for each of the Open Days);
- Four WCC Tweets;
- One LinkedIn post; and
- One Neighbourly post.

Combined, these social media posts have a total reach of 17,928 with 382 'clicks' (being the number of times the post was opened).

The Social Media Report (attached in Appendix F), includes the content of the social media posts, the date they were made and the amount of interest each generated.

### 3.3.4 Submission Form

The Council provided a submission form, in hard copy at the Open Days and libraries as well as electronically on the website. The submission form included three specific questions the Council asked submitters to answer as well as an open comment section.

Submitters were encouraged to fill in and send the submission form to the Council via freepost or email. Submitters were also able to respond to the consultation by email to [kpq@wcc.govt.nz](mailto:kpq@wcc.govt.nz).

The submission form is attached in Appendix G.

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<sup>1</sup> <https://wellington.govt.nz/have-your-say/public-inputs/feedback/closed/kiwi-point-quarry-expansion>

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Item 2.1 Attachment 1

## 4. Summary of Feedback

This section summarises the feedback received during the consultation period.

A total of 65 submissions on the feedback form provided were received within the consultation period, which finished on the 30th of October 2017. Two of these submissions were from the same person and were consolidated to avoid double counting. This brought the total number of submissions received in the consultation period to 64. A further three submissions were received following the consultation end date. These the late submissions have subsequently been accepted bringing the total number of submissions to 67.

The submissions can be found in Appendix H.

The Council asked three specific questions during the consultation. Each of these is addressed in a section below. The submission form also provided the opportunity for submitters to provide open comment on any aspect of the quarry expansion options.

### 4.1 Preferred Option for the Future of the Quarry

First, the Council asked submitters to select which option they supported for quarry expansion.

The submission form focused on Option 3 (medium development) and Option 4 (maximum development) as these are the options the Council considered were viable short of cessation of quarrying. Submitters also had the opportunity to say why they supported a particular option and provide other comments. Figure 1 below shows that 54% or 36 of the submitters support Option 4, 24% or 16 submitters support the closure or no expansion of the quarry, 12% (8) support Option 3, 7% (5) are unsure and 3% (2) ticked 'other'. Of the two submitters who ticked 'other' one stated they did not have a preference and the other expressed an interest in progressing with the more cost effective option out of Option 3 and Option 4.

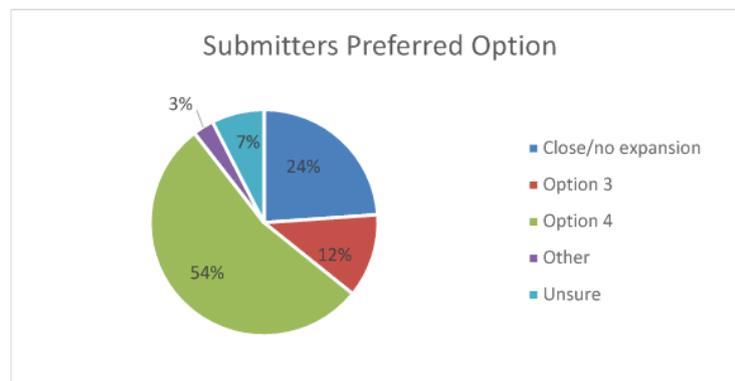




Figure 1: Submitters Preferred Option

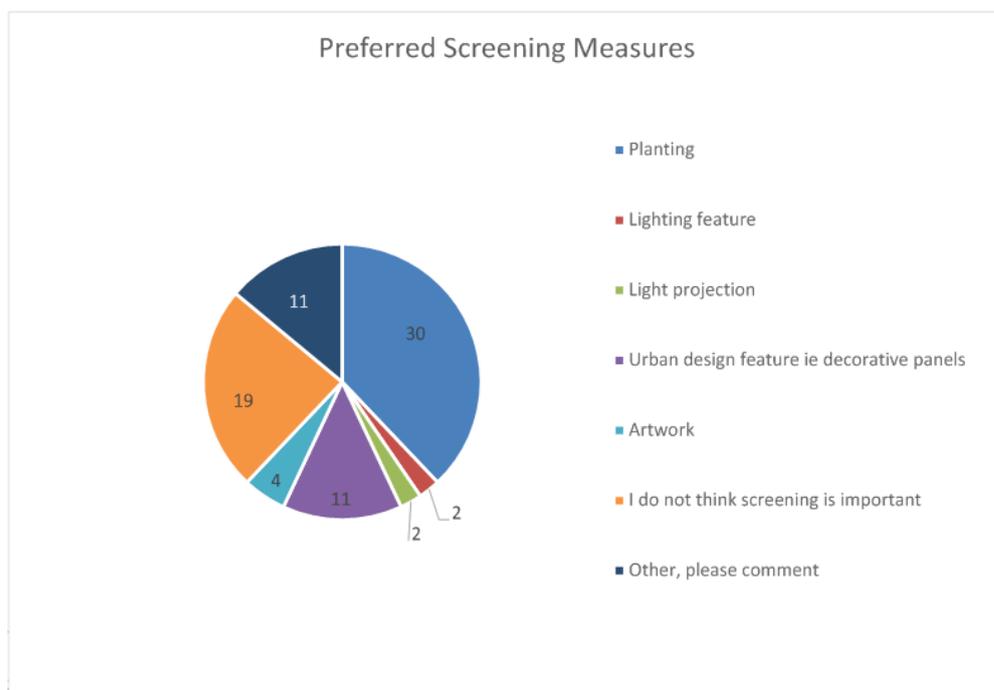
## 4.2 Screening the South Face of the Quarry

Second, the Council asked how submitters would like the south face of the quarry to be screened from Ngauranga George during and following any additional quarrying.

The submission form included a number of options for submitters to choose, submitters had the ability to choose more than one option<sup>2</sup>. Not all participants commented on the screening options, with 11 of the 67 respondents not selecting any option. Eleven submitters selected more than one option. In total, 82 different selections were made.

Figure 2 below shows the number of times each option was selected. Of the screening options planting was the most popular, with 30 selections, followed by the implementation of urban design features such as decorative panels with 11 selections. Planting and urban design features were most commonly selected in conjunction with each other.

'I do not think screening is important' was selected 19 times. Of the submitters who selected this option 16 selected Option 4 as their preferred option, one selected Option 3 and two selected close/no expansion (with a comment stating that if the quarry is closed there is no requirement for mitigation).



than one option and a percentage wouldn't accurately reflect the base number of submitters.

Figure 2: Preferred Screening Measures

‘Other’ was selected 11 times, two submitters commented that screening is not needed if the quarry is closed, one thought that the screening options proposed would be ineffective, one commented that a quarry is expected to be a ‘visual worksite’ and one stated that beyond planting, the options may cause a distraction for motorists who should be concentrating on the road.

### 4.3 Relationship between Submitters and the Quarry

On the submission form submitters were asked to provide their physical address. The addresses have been mapped, shown in figure 3 below, providing a visual representation of the location of the submitters. The majority of responses were from residents within the Wellington City Council boundary. However, responses were also received from Lower Hutt, Kāpiti Coast, Napier and Australia (Napier and Australia not shown). A large number of submitters are within close proximity to the quarry, as depicted in Figure 3 below.

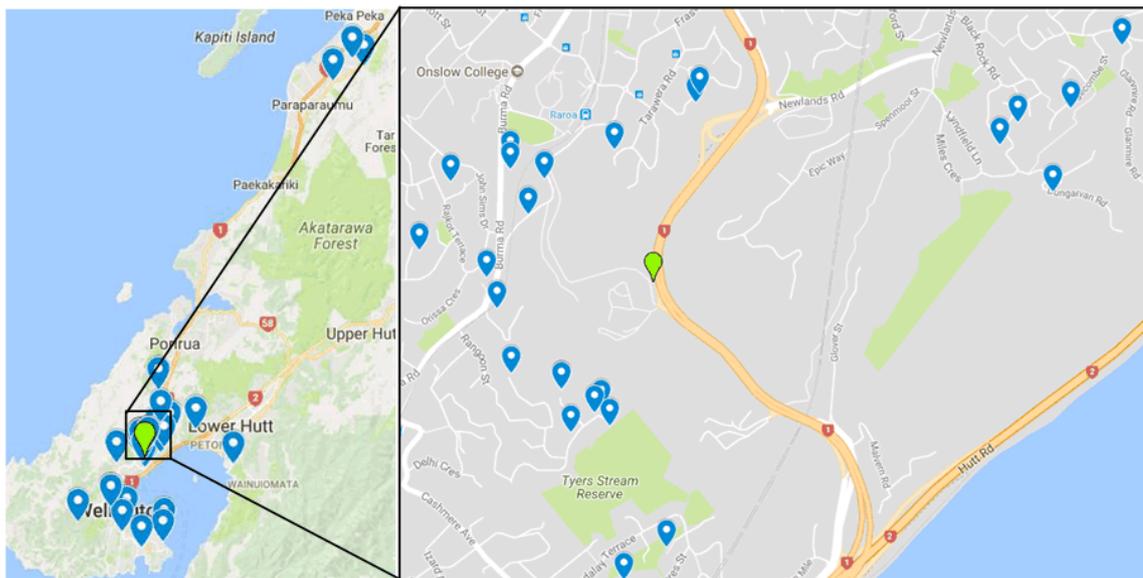


Figure 3: Location of submitters in relation to the Quarry (Quarry shown in green)

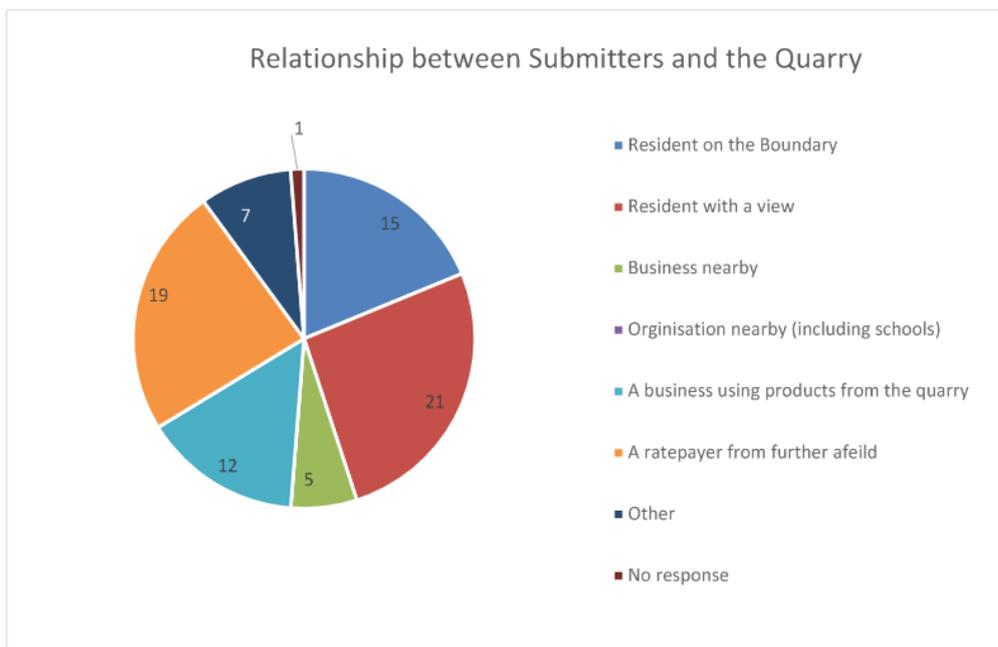
In addition to listing their addresses, submitters were asked to select from a number of options that best described their relationship with the quarry. Respondents were asked to select from a list of the following options:

- Resident on the boundary of Kiwi Point Quarry



- Resident with a view of Kiwi Point Quarry
- Business near Kiwi Point Quarry
- Organisation near Kiwi Point Quarry (including schools)
- A business using products from Kiwi Point Quarry
- A ratepayer who does not live in the immediate vicinity of Kiwi Point Quarry
- Other, please state

Again, submitters were able to select more than one option if multiple applied<sup>3</sup>. Figure 4 below shows that 15 submitters are residents on the boundary and 21 selected residents with a view of the quarry. Of these seven submitters selected that they were both a resident on the boundary and had a view of the quarry. 19 of respondents selected ‘rate payers from further afield’ to describe themselves, 12 selected businesses using products from the quarry, seven chose other, five selected nearby businesses and one did not respond. In the ‘other’ category several participants noted that they were residents in Wellington but do not directly pay rates (for example people in rental accommodation). The remainder consisted of submitters who simply described themselves as ‘interested’ parties or were from an organisation which did not conform to the options provided.



<sup>3</sup> Percentages have not been used in order to analyse responses to this question because submitters were able to choose more than one option and a percentage wouldn't accurately reflect the base number of submitters.

Figure 4: Relationship between Submitters and the Quarry

To further understand the preferences of people based on their proximity or interest with the quarry, the preferred options selected has been graphed for each relationship option. Figure 5, below, shows that Residents on the boundary or with a view of the quarry were most likely to prefer the quarry to be closed or for there to be no expansion (Option 1), while business near the quarry, businesses using products from the quarry, ratepayers from further afield and those who selected 'other' preferred Option 4, maximum expansion of the quarry. Of residents with a view of the quarry nine selected close/no expansion and 8 selected Option 4, maximum expansion.

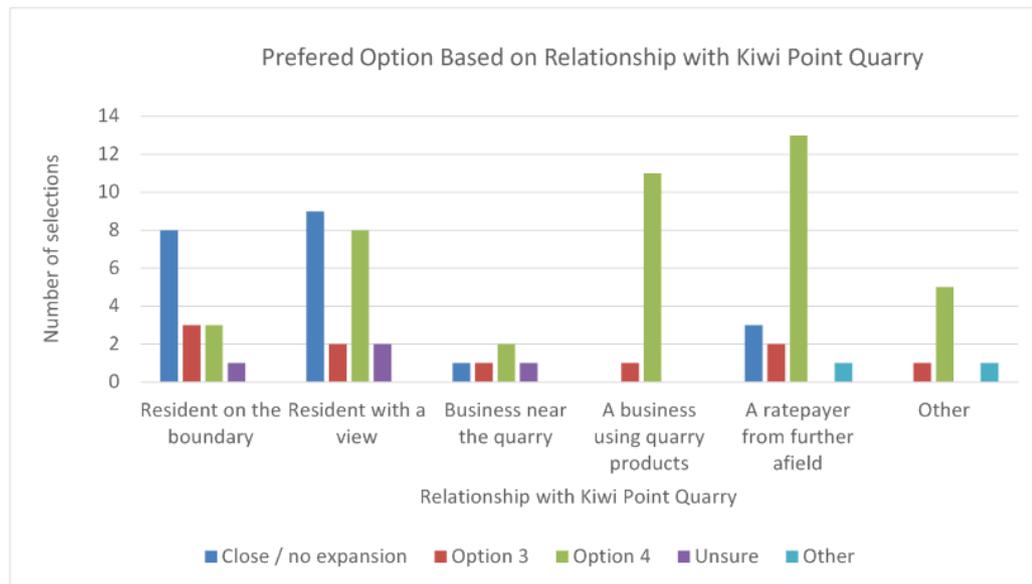


Figure 5: Preferred Option Based on Relationship with Kiwi Point Quarry

#### 4.4 Additional Comment

The submission form also included the questions 'are there any other comments you wish to make?' This was the main opportunity people were given to comment outside of the selected options presented in the feedback form. The comments can be categorised into the following main themes.

##### 4.4.1 Environmental Impacts

A number of submitters raised concerns about the environmental impacts of extending the quarry. The main areas of concern arising are related to noise, dust, seismic issues and ecological issues but also covered sedimentation runoff and the discharge of other contaminants. Some representative comments are included below:

*'I am deeply concerned about the seismic risk to the land surrounding the proposed quarry expansion, specifically the risk of instability to the land on which our properties are built. If stability is affected, we believe this presents a public safety risk, not only for those residents living beside the quarry, but for those using Ngauranga Gorge.'*

*'I am concerned by the environmental/ecological impacts, particularly the loss of indigenous forest vegetation and reduced habitation for birds and wildlife.'*

*'You have focused on the visual element but not on the noise and dust/dirt that this type of proposal will cause nearby residents. I understand the need to increase capacity but this needs to be balanced with consideration for existing neighbours.'*

*'We support the existing quarry subject to there being no increase in noise or dust from the extended operation.'*

*'My main concern is the amount of dust that quarry activities will generate... I would urge that serious consideration be given to how to reduce the dust that will result [from the quarry expansion].'*

*'Due to earthquakes, how much seismic research has been completed to justify the cut so close to the existing north houses and the housing on the southern cut?'*

*'We are however concerned about the lack of detail around the assessment of the ecological effects for the proposed expansion site. We would like to see this detail better outlined and the results of the surveys to be undertaken in the summer months released.'*

#### **4.4.2 Visual Effects**

Many submitters raised concerns about the visual effects of quarry expansion. This included submitters concerned about the visual effect of the quarry from their property and those concerned about the visual impact from the Ngauranga George and on the Wellington 'gateway experience'.

*'The Coolest Little Capital in the World' and the '5<sup>th</sup> Best Place to Live' (Lonely Planet Guide) should be a memorable experience, yet at the SH1 entrance to our 'cool little capital' sits a defaced landscape and a brightly lit meat works, both clogged with huge trucks lumbering on and off the steep motorway.'*

*'The visual impact this proposal will have for those entering Wellington via Ngauranga Gorge due to the works will be highly unappealing.'*

*'The horrendous visual impact that has been created due to the earth works and now you want to destroy another hillside with operations continuing for decades more. NO THANK YOU.'*

*'The Youth Council notes the proposal to place manmade screens along the motorway near the quarry site to block views of it. In general Youth Council believes that such screens would not do too much work, but that the concept has some merit. Youth Council believes that the usage of screening on State*

*Highway 1 should be put in place primarily for assistance to vegetation growth as mentioned in the consultation document. Although if it is not needed for that purpose it may not need to be established at all. Motorists will only be passing the area for a very short amount of time, meaning that the resources put into creating a screen there may not be worth the effort. There should be a lot of active engagement with the residents who will be able to see the quarry from their houses and see if they would want screening too. This screening need not be in the form of manmade screens, but instead could be in the form of small trees, shrubbery or other natural bush. This is to mimic the views they would have had prior to quarrying. The natural form of screening through small trees, shrubbery and other natural bush is not limited to just screening for residential areas. It could be extended to the potential screens on State Highway 1 as an alternative to a more manmade structure (sculpture, light piece etc.).'*

#### **4.4.3 Alternative Sources of Material**

A number of submitters commented on the preference to source the aggregate material required for Wellington from Horokiwi Quarry.

*'If you are looking at it in purely financial terms, Horokiwi quarry is a mere 3kms further away and is well back off the road, not in such a prominent place! This won't affect people's views and property prices.'*

*'The marginal difference in cost of sourcing from a different quarry would have a minimal impact on the cost of building, including of roads. Horokiwi quarry, for example, is a mere 7-10 minutes further away.'*

#### **4.4.4 Economics/Growth of the City**

In contrast a number of submitters commented on the benefits of continuing to utilise the Kiwi Point Quarry:

*'...once it has been established that we need a quarry, it is environmentally preferable to ensure shorter material travel distance and to not create new environmental impact in a new location.'*

*'The proximity of the quarried stone to where it is used is the priority. It's available, a system is in place, it is effective and it works. Moving it means moving jobs which could be detrimental to some of the staff and contractors.'*

*'There is a lack of quarries in the greater Wellington area - lack of available quarry products within the Wellington region will have serious effect on contracting costs across the board - roading, infrastructure, commercial and private development.'*

*'Specifically for concrete, each cubic metre of concrete produced requires approximately two (2) tonnes of aggregates materials. These materials account for approximately 22% of the price of a cubic meter of concrete. Requiring all the required materials to be carted from remote quarries would add more than fifty dollars per cubic metre to the cost of ready mixed concrete.'*

*'A local quarry is an important resource for economic growth.'*



*'Our company provides extensive trenching working to core Wellington infrastructure. If the quarry was to close it would have a significant impact on cost for all our wellington work. These costs would have to be passed on to the various utilities and council we work for. We strongly believe that the quarry is a strategic asset to Wellington and must be kept open and extended to maximize value for all Wellington residents.'*

#### **4.4.5 Option Selection**

Submitters commented on a number of the options, such as:

*'Option 1 is the best option. Kiwi Point quarry should close at the end of its current resource consent. We bought our property in the knowledge that the resource consent would expire and with the expectation that it would close. If a decision is taken to extend the quarry then residents should be compensated accordingly.'*

A number of submitters also provided insight in to why they preferred Option 4 over Option 3:

*'We support Option 4 given it will provide more capacity for the quarry, and the disadvantages are similar to those of Option 3.'*

*'Option 4 would be a better economic project. Also option 3 only does half the job and the 2nd leg would be inevitable. Also it makes better use of the site and greater flexibility during the project.'*

#### **4.4.6 Suggested Other Uses and Future Uses for the Quarry Site**

Submitters also had some alternative plans for the quarry site either in the short term, rather than progressing Option 3 and 4 or in the long term upon completion of quarrying activity.

*'As a council asset make sure the ratepayers are getting a fair return on the investment. Why isn't there a more user friendly retail type set up there for ratepayer and public to purchase landscaping materials?'*

*'The Youth Council further recommends that the Council considers turning the quarry site into a nature park after the quarry is exhausted. This area could be a great space to set up a series of short walks or mountain bike tracks. Especially in conjunction with the reserve area mentioned above and similar areas close by.'*

*'As noted, this is the gateway to Wellington, this is what everyone sees as they drive into our city, what better way to represent our ideals than with an amazing natural reserve right on the doorstep. Not to mention this would be a wonderful stepping stone for Zealandia birdlife to branch out into the northern suburbs!'*

#### **4.4.7 Future Sources of Aggregate Material for Wellington**

A few submitters also turned their minds to sources of aggregate available to the city beyond the 15-20 year timeframe considered in the Consultation documents and recommended that the Council should also be planning for a longer timeframe and working with other councils in the region.

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*'I support this and suggest WCC also considers its long term aggregate needs as even with this extension, Wellington is at risk of having to import its aggregate needs in 20-30 years at a significant increase in costs to ratepayers and also significant increase in road transport.'*

*'We would also urge WCC to work with the other Council's in the region to scope out the future quarrying sites that best suit the region regardless of which jurisdiction they are located in. The issue of environmentally and economically sustainable rock availability is best considered regionally.'*



## 5. Summary

Wellington City Council is considering four options for the future of Kiwi Point Quarry. Prior to making a decision on the future of the quarry, the Council undertook a period of public engagement on four proposed options ranging from closing the quarry to the maximum expansion of the available land. Expansion of the quarry requires a plan change to rezone land adjoining the quarry.

The engagement was undertaken between the 22<sup>nd</sup> of September and the 30<sup>th</sup> of October 2017. The purpose of the public engagement was to:

- Inform people of the options the Council are considering for the future of the quarry, why they are being considered and the potential implications; and
- To obtain stakeholder and public feedback on the proposed options.

The public had the opportunity to make a submission on the options, via the Council website or email. Two public open days were held and advertising of the submission period was undertaken via direct engagement with identified stakeholders and wider public, and other advertising, including the use of social media.

In total, 19 people attended the public open days and 67 submissions were received. Submitters were comprised of residents who live on the boundary of and/or can see the quarry, local businesses, users of quarry products and residents from further afield. A high proportion of submission were made by residents near the quarry. While most submitters were from Wellington City, submissions were also received from people in Lower Hutt, Kāpiti, Napier and Hawkes Bay.

When asked to select their preferred option that 54% of the submitters support Option 4, 24% preferred the closure or no expansion of the quarry, 12% support Option 3, 7% are unsure and 3% ticked 'other'. Planting was the preferred screening option, selected 30 times followed by urban design features such as decorative panels which was selected 11 times. 19 respondents did not think screening was important.

### 5.1 Next Steps

The Kiwi Point Quarry team are currently analysing the feedback from this engagement and will look at opportunities to incorporate some of the suggestions made regarding the use of the quarry or the mitigation required. If Option 3 or 4 are selected the Council will prepare and undertake a plan change to re-zone the required land surrounding the quarry to allow for expansion. Key stakeholders and the public will have a further opportunity to comment through the potential Plan Change process.

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Appendix A

## **Kiwi Point Quarry Expansion Visuals**



Appendix B

**File Notes - Iwi Meetings**

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Appendix C

## **Letter to Nearby Residents and Businesses**

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Appendix D

**Open Day Display Boards**

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Appendix E  
**Engagement Brochure**

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Appendix F  
**Social Media Report**

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Appendix G  
**Submission Form**

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Appendix H  
**Submissions Received**

**Kiwi Point Quarry Plan Change 83 Provisions**

Annotated provisions of Chapters 33 and 34 of the Operative District Plan showing proposed changes as part of Proposed District Plan Change 83.

<b>Key to Changes</b>	
abcdefghijkl	Existing unaltered text
<del>abcdefghijkl</del>	Recommended text to be deleted
<u>abcdefghijkl</u>	Recommended text to be added

**Chapter 33. BUSINESS AREAS**

33.1 Introduction

...

The Kiwi Point Quarry is also included as a Business Area. The quarry is subject to specific rules recognising its economic importance to the City and wider region as well as to other relevant rules applying elsewhere in Business Areas to mitigate adverse effects.

**Current Relevant Objectives**

33.2.1 To provide Business Areas that can accommodate a wide range of business and industrial activities to meet the social and economic needs of the City.

33.2.2 To enable an appropriate range of activities to occur in Business Areas, provided they do not undermine the City’s Centres, and that adverse effects are avoided, remedied or mitigated.

33.2.3 To recognise where unique development opportunity areas exist within Business Areas and encourage redevelopment of these in a manner that is compatible with, and enhances amenity values and contribute to the City’s distinctive physical character, sense of place and contained urban form.

33.2.4 To ensure that activities and developments at least maintain the amenity values and public safety within Business Areas and those of any nearby Residential Areas.

**New Objective**

33.2.14 To recognise the importance of quarrying aggregates in the Kiwi Point Quarry to the City’s future growth by enabling the use and development of the quarry, while requiring appropriate management of adverse effects.

**Policies**

Kiwi Point Quarry

33.2.2.7 Provide for the development and site rehabilitation of the Kiwi Point Quarry to the extent specified in the Plan in a way that avoids, mitigates or remedies adverse effects.

METHODS

- Rules (including Appendix 2 required showing the extent of quarry areas)
- A quarry management plan

*Kiwi Point Quarry is an established quarry located in the Ngauranga Gorge, involving ongoing extraction, processing, cleanfilling and rehabilitation. As the continuing availability of aggregate and other quarry materials is economically important for the City and wider region, the Plan makes specific provision for the ongoing use and development of the quarry. For both the older (northern) and newer (southern) areas of the quarry, specific rules and a development plan are incorporated. These provisions provide for the avoidance or mitigation of adverse effects from the quarry activity and the long-term mitigation of effects on landscape and landform following quarrying. It is the Council's intention that cut faces should be designed to yield a relatively natural landform in the long term and that rehabilitation of cut faces should begin as early as practicable. The staging of quarry development, and the day to day management of quarry activities are further detailed and controlled through the application of a quarry management plan.*

*In respect of the Kiwi Point Quarry southern face the only practical and available option for ecological mitigation for the loss of terrestrial vegetation and the associated habitat is on part Lots 4 and 6 DP72996. This mitigation shall be commenced after these areas have been dedicated as a reserve under the Reserves Act 1977 and prior to the extraction of rock.*

*A quarry management plan shall be prepared and regularly updated by Council, which sets out:*

- *intended staging of the excavation and cleanfilling activities*
- *the means of management of surface and groundwater*
- *management of on-site traffic*
- *provision for any onsite processing and temporary storage of quarry material*
- *any specific provisions relating to onsite management of noise, dust, vibration, visual impact, water quality*
- *a procedure for addressing any complaints*
- *objectives and principles for the rehabilitation of the site, including:*
  - *a timetable for the rehabilitation of prominent quarry faces*
  - *measures to create soil conditions which will support plant growth*
  - *measures to create a variety of site conditions to support a range of species*
  - *means of controlling runoff to avoid erosion*
  - *means of control of plant and animal pests*
  - *measures to avoid fire risks*
  - *means to assist native vegetation to regenerate on grazing land*
  - *rehabilitation which is compatible with Open Space strategy for adjacent areas of land*

- management of buffer areas
- practices and methods that will be adopted to ensure that all permitted activity conditions applying to the activities will be met.

The quarry management plan will complement the other rules applying to the quarry activity and will provide additional management details. It will be reviewed by Council at least every five years and any necessary adjustments will be made.

The progressive rehabilitation of the area is an important aspect of quarry management, and accordingly the Quarry Management Plan includes rehabilitation provisions. As quarrying and cleanfilling activities are completed on the site, an implementation plan shall be prepared annually by the consent holder in accordance with the Quarry Management Plan.

The requirement that regular monitoring is undertaken and regular progress reports are completed and submitted to the Council is a key element. This requirement is included because successful rehabilitation of any disturbed area requires constant monitoring as site conditions vary considerably and evolve over time. Regular observation and recording of results is an essential part of managing the process.

A vegetated buffer area is included within the area as part of the development of the extended southern part of the quarry and shall be a minimum of 70 metres from the edge of the quarrying area to the nearest Residential Area Boundary. At the northern end, the necessary buffer area is within the Open Space B Area. It is important also that rehabilitation of the quarry area should recognise and in the longer term be able to be integrated as appropriate with the Open Space strategy developed by the Council for the adjacent areas of land. ~~Current Council policy is for the creation of further Green Belt areas on the steep hill sides of the Ngauranga Gorge and, for instance, it may be possible to allow continuation or linking of proposed walkways~~ If practicable and in a safe location to do so, walkways should be provided in a continuous or linked manner to allow the continuation or linking of proposed walkways.

Overall, the environmental result will be the availability of quarry materials for the City and wider region in the short and medium term, and long-term achievement of well-vegetated quarry faces with the appearance of natural landforms which will be integrated with Council development of Open Space areas in this vicinity.

#### Rules

#### Permitted Activity

- 34.1.5 Quarrying and clean filling on part Lot 1, and part Lot 2 DP 72995, ~~part Lot 4, part Lot 5 and part Lot 6 DP 72996~~, part Lot 1 DP 34015, part Lot 1 DP 65030 and part Lot 2 DP 91179 Ngauranga Gorge (known as Kiwi Point Quarry shown in Appendix 2) is a Permitted Activity provided that it complies with the standards specified in sections 34.6.1 (activities), 34.6.2 (buildings and structures) and 34.6.5 (Kiwi Point Quarry standards), (except that standard 34.6.1.9.2 does not apply to the temporary stockpiling or storage of quarried rock material).

**Controlled Activity**

34.2.3 Quarrying and clean filling on part Lot 4, part Lot 5 and part Lot 6 DP 72996, Ngauranga Gorge (known as Kiwi Point Quarry southern face shown in Appendix 2) is a Controlled Activity if it complies with the standards specified in sections 34.6.1 (activities), 34.6.2 (buildings and structures) and 34.6.5 (Kiwi Point Quarry standards), (except that standard 34.6.1.9.2 does not apply to the temporary stockpiling or storage of quarried rock material). The Council's control shall be limited to the following matters:

34.2.3.1 maximising the extent of residential buffer areas;

34.2.3.2 the extent to which conditions are required to ensure that quarrying activities are timed and staged to ensure that rehabilitation of cut faces can begin as early as practicable;

34.2.3.3 the detailed contents of a Quarry Management Plan for this area outlined in Policy 33.2.2.7;

34.2.3.4 optimising the standard, location and staging of ecological mitigation through the provision of an ecological restoration plan; and

34.2.3.5 the design and location of screening quarry activities adjacent to State Highway 1.

**Non-notification/ service**

In respect of Rule 34.2.3 applications will not be publicly notified or limited notified (unless special circumstances exist).

**Relevant policies for preparing resource consent applications**

See policy 33.2.2.7

Note that this is an indicative list of relevant policies; applicants should check all policies for relevance to a particular consent application

**Discretionary Activities**

34.3.3 Quarrying and cleanfilling activities in Ngauranga Gorge (Kiwi Point Quarry north and south faces) which would be Permitted Activities but that do not meet one or more of the standards specified in sections 34.6.1 (activities), 34.6.2 (buildings and structures) and 34.6.5 (Kiwi Point Quarry standards) are Discretionary Activities (Restricted), (except that standard 34.6.1.9.2 does not apply to the temporary stockpiling or storage of quarried rock material).

Discretion is restricted to the effects generated by the standard(s) not met., ~~subject to compliance with the following condition:~~

~~34.3.3.1 the duration of any consent granted for processing plant or buildings in the southern part of the Quarry provided for under this Rule shall not exceed 10 years.~~

*Non-notification/ service*

*In respect of Rule 34.3.3 applications will not be publicly notified or limited notified (unless special circumstances exist).*

**34.6.5 KIWI POINT QUARRY STANDARDS**

These standards apply to all quarrying and clean filling activities in the Kiwi Point Quarry.

**34.6.5.1 General**

34.6.5.1.1 Any relevant provisions of standards 34.6.1 and 34.6.2 except that Rule 34.6.1.9.2 does not apply to the temporary stockpiling or storage of quarried rock material.

**34.6.5.2 Dust**

34.6.5.2.1 Dust control measures shall be undertaken to avoid creating a dust nuisance beyond the Quarry Boundary.

**34.6.5.3 Quarry activities**

34.6.5.3.1 Quarry activities shall be restricted to the area within the Business Area north of the abattoir and south of the access road, excluding the area shown as a buffer area, as identified on the plan included as Appendix 2.

34.6.5.3.2 Some blasting may be carried out as part of the normal quarrying operations. Blasting of faces for crushed rock production must take place between 10.00am and 2.00pm Monday to Friday only.

34.6.5.3.3 In all cases, for the northern face residents of Tarawera Road, Plumer Street, 113, 130, 166, 170 and 175 Fraser Avenue, and 146 Burma Road, and for the southern face the residents of 25-46 Gurkha Crescent, Shastri Terrace and 6-28 (even numbers) Imran Terrace must be notified by mail no less than one week in advance of blasting. Blasting must be immediately preceded by a siren or hooter with a sound which distinguishes it from normal Police, Ambulance or Fire Service sirens.

34.6.5.3.4 The finished slope of quarry faces shall not exceed 55 degrees from the horizontal.

34.6.5.3.5 The maximum height of finished batters shall not exceed 15 metres.

34.6.5.3.6 For the northern face a A-buffer area with a minimum width of 25 metres shall be maintained on the uphill boundary of the site as shown on Appendix 2. For the southern face a buffer area with a minimum width of 70 metres shall be maintained on the uphill boundary of the site as shown on Appendix 2. This The northern face buffer areas will be allowed to revegetate naturally except where there is a need for additional planting. The southern face buffer area is subject to restoration planting.

Note: At the north end of the quarry near Plumer Street and Tarawera Road, the buffer area is within the Open Space B Area as shown in Appendix 2 and is governed by the Open Space provisions. At the southern end of the quarry near Gurkha Crescent, Shastri Terrace and Imran Terrace the buffer area is within the Open Space B Area as shown in Appendix 2 and is governed by the Open Space provisions.

34.6.5.3.7 A fence must be maintained adjacent to any properties in the Residential Area along the quarry boundary to a height of 1.2m.

34.6.5.3.8 Prior to commencement of operations in any area, a security fence must be installed and maintained along the outer edge of the buffer area.

34.6.5.3.9 No quarry activities shall be undertaken within the buffer area unless agreed by Council.

**34.6.5.4 Cleanfill activities**

34.6.5.4.1 Cleanfill activities shall be restricted to the area shown on the plan included as Appendix 2.

34.6.5.4.2 The cleanfill shall comply with the definition of cleanfill in Section 3 (Definitions) of this District Plan.

**34.6.5.5 Location of quarry plant**

34.6.5.5.1 The primary crusher may be moved as the quarry face recedes and new faces are worked. Any processing plant or buildings within the southern part of the quarry shall be relocatable.

**34.6.5.6 Traffic movement**

34.6.5.6.1 There shall be one entry point to the quarry, via Crossing Place 22 from State Highway One (also the main access to the adjacent Abattoir). This must be the sole means of entry and exit for quarry vehicles. This access must be maintained to the standard of local streets.

**34.6.5.7 Rehabilitation and treatment of stripped areas**

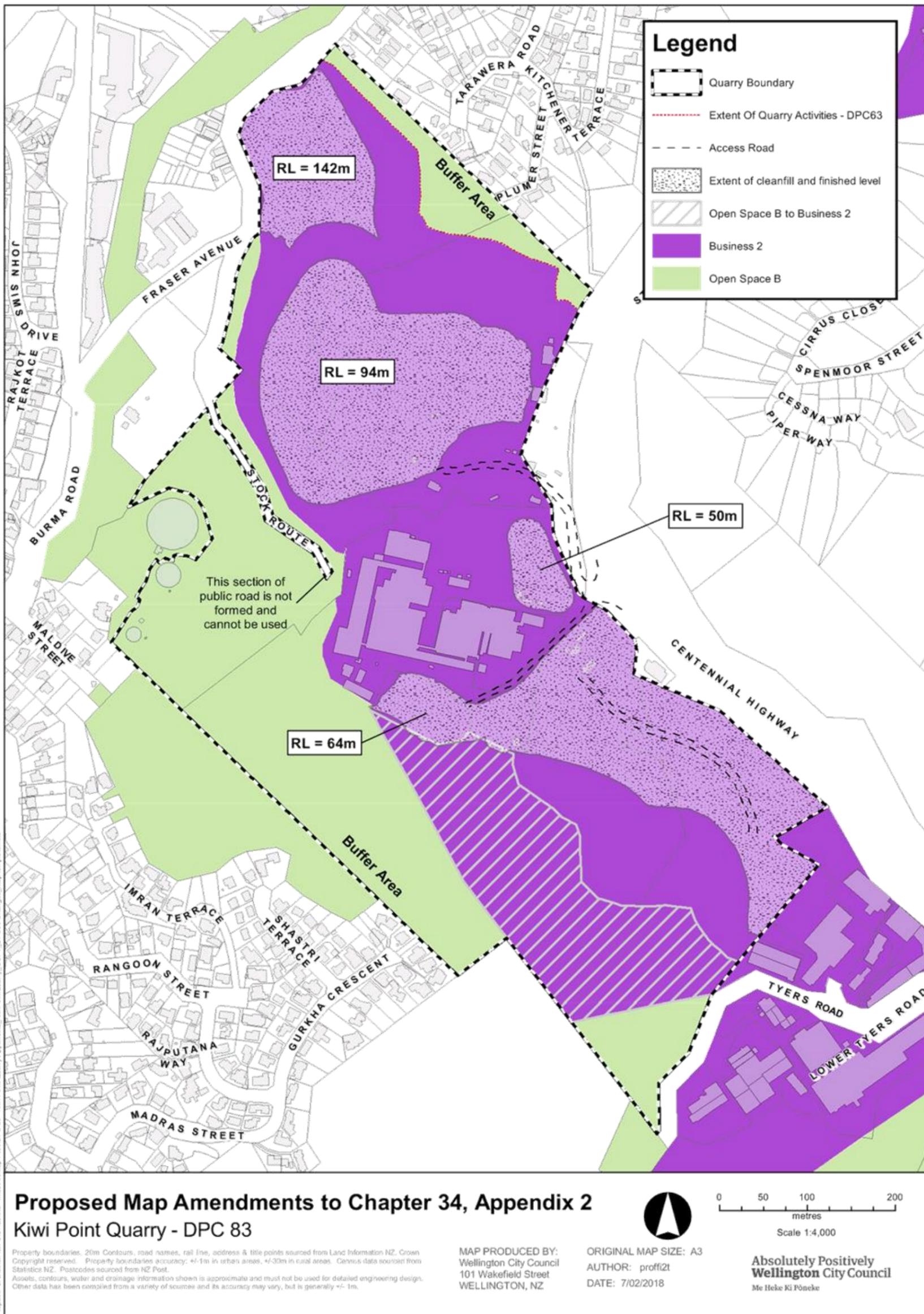
34.6.5.7.1 All land encompassed within the quarry boundary shall be progressively rehabilitated (except where used for other permitted or consented activities). Any planting will take place as soon as practicable following the completion of the quarry or cleanfill activity. Planting will be undertaken using indigenous species from local sources, except where exotic species are required to provide erosion control and/or temporary nurse cover for revegetation with indigenous species.

34.6.5.7.2 Excluding the Abattoir area, areas shown on Appendix 2 which are not shown as areas for quarrying and/or cleanfilling shall be allowed to revegetate.

34.6.5.7.3 All exposed surfaces of fill shall be hydro-seeded, or any other approved method, immediately following completion of works as a dust and erosion control measure.

Chapter 34 Appendix 2

**Appendix 2. Kiwi Point Quarry, Ngauranga**  
(Part Lot 1 and Part Lot 2 DP 72995, Part Lot 2 DP 91179, Part Lot 4, Part Lot 5  
and Part Lot 6 72996, Part Lot 1 DP 34015 and Part Lot 1 DP 65030, Ngauranga Gorge)



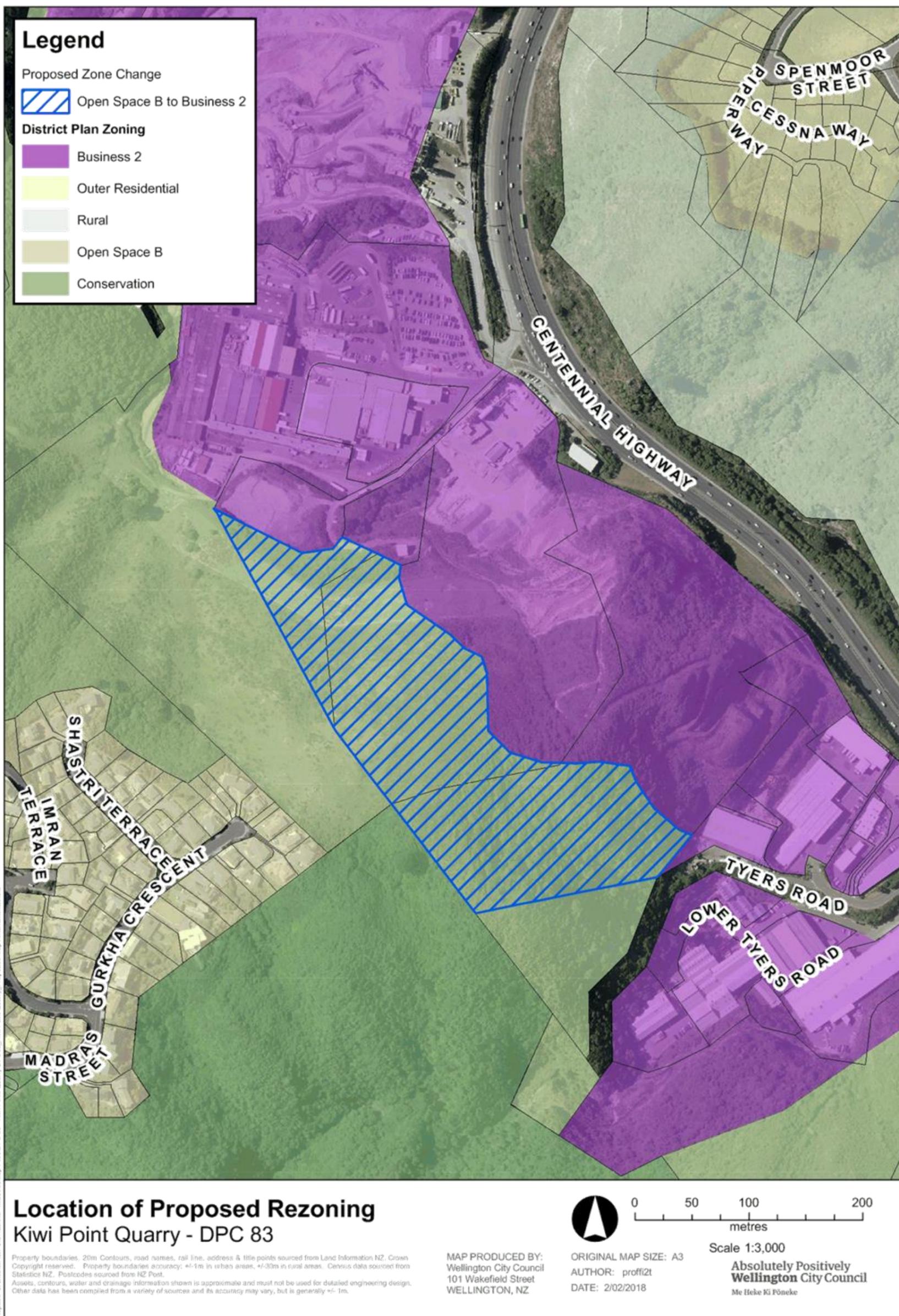
Item 2.1 Attachment 2



Planning Maps

Consequential Amendments to Planning Maps 22 and 23 required to reflect the zoning change as shown below.









## **Wellington City Council**

### ***Proposed District Plan Change 83: Kiwi Point Quarry Extension***

#### **Section 32 Report: Consideration of alternatives, benefits and costs**

5 February 2018



### Quality Control

<b>Title</b>	WCC District Plan Kiwi Point Quarry Extension s32 Evaluation
<b>Client</b>	Wellington City Council
<b>Version</b>	V3 FINAL
<b>Date</b>	5 February 2018
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<b>Signature</b>	

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## Contents

<b>Executive Summary</b>	<b>1</b>
<b>1. Introduction</b>	<b>2</b>
1.1 Background	2
1.2 Structure of Report	3
<b>2. Site Description and Key Resource Management Issues</b>	<b>4</b>
2.1 The Site	4
2.2 The Surrounding Area	4
2.3 Location Map	6
2.4 Key Resource Management Issues	7
<b>3. Resource management considerations</b>	<b>8</b>
3.1 The purpose of the Resource Management Act 1991	8
3.2 Council functions under the Resource Management Act 1991	8
3.3 Section 32	9
3.4 National Policy Statements and National Environmental Standards	10
3.5 Regional Policy Statement	11
3.6 Regional Plans	13
3.7 Other Relevant Statutory and Non-Statutory Strategies and Policies	14
<b>4. Wellington City District Plan</b>	<b>19</b>
4.1 Current Zoning	19
4.2 Rules and Standards	23
<b>5. Technical Reports</b>	<b>27</b>
5.1 Regional Demand Forecasts for Aggregates in Wellington	27
5.2 Indicative Value Impact Report	28
5.3 Geotechnical Report	29
5.4 Quarry Management Plan	31
5.5 Air Quality Assessment	31
5.6 Ecology	31
5.7 Landscape	33
5.8 Report Assessment Summary	34



<b>6. Kiwi Point Quarry Options .....</b>	<b>35</b>
6.1 Project Objectives .....	35
6.2 Workshop Process .....	35
<b>7. Assessments against Objectives .....</b>	<b>42</b>
7.1 Objective 1: Extraction .....	42
7.2 Objective 2: Rehabilitation .....	42
7.3 Objective 3: Effects .....	43
7.4 Objective 4: Landscape .....	43
7.5 Objective Assessment Rankings .....	44
7.6 Summary of Alternatives Process Findings .....	44
<b>8. Site Specific Resource Management Issues .....</b>	<b>46</b>
8.1 Quarry Operations .....	46
8.2 Residential Amenity .....	46
8.3 Landscape.....	46
8.4 Ecology .....	46
8.5 Geotechnical .....	47
8.6 Air quality .....	47
8.7 Water Quality .....	47
8.8 Economic Benefits .....	47
<b>9. Consultation.....</b>	<b>49</b>
9.1 Legislative Requirements.....	49
9.2 Consultation with Stakeholders.....	49
9.3 Public Consultation .....	50
<b>10. s32 Considerations.....</b>	<b>51</b>
10.1 Status Quo - Retain Open Space Zoning .....	51
10.2 Rezone the land to Business 2 .....	52
10.3 Site Specific resource management issues and objectives to address them	52
10.4 Assessment of efficiency and effectiveness .....	54
10.5 s32(2) considerations.....	56
<b>Appendix A:</b>	Alternatives Workshop Report and Appendices
<b>Appendix B:</b>	WCC City Strategy Committee Meeting Minutes 14 September 2017
<b>Appendix C:</b>	Economic Spreadsheets
<b>Appendix D:</b>	Other relevant reports



## Executive Summary

This report provides an evaluation of a draft Plan Change to the Wellington City District Plan to rezone an area of land from Open Space B to Business 2 and associated activity and location specific policies, rules and standards in terms of s32 of the RMA.

The report describes the purpose of the draft plan change, the consultation process involved in its development and provides:

- The background to quarrying in the Ngauranga Gorge including the fact that there is insufficient land currently appropriately zoned to enable continuation of quarrying;
- A description of the site and surrounding area;
- Identification of what the key resource management issues are;
- Relevant considerations under the Resource Management Act 1991;
- Commentary on the relevant parts of higher order planning documents including National Policy Statements and the Regional Policy Statement's objective for well-located sources of minerals in the Wellington region;
- An outline of the current District Plan framework for the existing quarry operations for the northern face and for the existing Business 2 zoned part of the southern face;
- An outlines the key background reports and advice that have contributed to the plan change;
- A review of the alternatives process carried out;
- An assessment of the options against project objectives developed for the proposal;
- A consideration of site specific resource management issues;
- Consultation processes carried out to date and the feedback received;
- An evaluation of the above processes in respect of s32 of the RMA consideration of "Requirements for preparing and publishing evaluation reports".

It is concluded that the plan change, as proposed, is the most appropriate way to achieve the purpose of the RMA and to give effect to the Regional Policy Statement. This conclusion is based on the recognition that the changes proposed to the District Plan are consistent with the purpose of the RMA and seeks to overcome the lack of appropriately zoned land for future aggregate extraction in an area that has been used for quarrying for many years.



## 1. Introduction

This report has been prepared pursuant to Section 32 of the Resource Management Act 1991 (RMA) to support a change to the Wellington District Plan. Specifically it supports a proposal to rezone land within Council ownership adjoining the existing Kiwi Point Quarry, Ngauranga from Open Space B to Business 2. This would allow, subject to specific amenity controls, the expansion of and continuation of, quarrying in this part of Ngauranga Gorge.

Currently the Kiwi Point Quarry (the Quarry) operates as a permitted activity under the Business 2 Area provisions in the Wellington City District Plan. The resource in the area currently available for quarrying under the District Plan framework is reaching its limit due to site constraints with the existing Northern face of the Quarry estimated to have another 3 to 4 years of rock resource available.

In addition to the current northern face quarrying operations there is an area approved for quarrying activity on the southern face. However investigations have concluded that it is both impractical and not feasible to extract high quality rock resource from this area. Short of closing quarrying operations, the only practical alternative is to expand the Southern face which would improve economic viability and extend the life expectancy of the Quarry by approximately 15 to 20 years. To enable an expansion of quarry activity in order to prolong the life of the Quarry, existing land zoned Open Space B is required to be rezoned. Once quarrying operations have been completed and the necessary rehabilitation carried out, an area of flat land would be available for business use.

### 1.1 Background

Kiwi Point Quarry has been operating since the 1880s and has been owned by the City Council since the 1920s, providing rocks and aggregates for road and construction work in the City and wider Wellington region. The quarry is located in Ngauranga Gorge, approximately five kilometres north of Wellington's Central Business District. Ngauranga Gorge is a highly modified environment but retains landscape qualities and characteristics notable to a number of parts of the wider community. The area is highly visible from State Highway 1 and can be seen from a number of Wellington's residential suburbs including parts of Khandallah, Broadmeadows, southern Johnsonville and Newlands (Spenmoor Street).

Three previous changes to the Wellington City District Plan directly concern the Quarry - Plan Change 25 (Kiwi Point Quarry Extension, Ngauranga Gorge), Plan Change 26 (Taylor Preston Area, Ngauranga Gorge - Rationalisation of Zone Boundaries) and Plan Change 64 (Amendments to Kiwi Point Quarry Provisions). These Plan Changes required a change and clarification of policy, plan map changes, new rules and new methods.

In conjunction with the quarry operator, business and technical investigations and an analysis of alternatives have been completed. Importantly Council has undertaken consultation on the principle of extending the area that could be quarried.



## **1.2 Structure of Report**

This report sets out the analysis to support a plan change and has been prepared to fulfil the requirements of Section 32 of the RMA “consideration of alternatives, benefits and costs”. A site specific plan change promoting a Kiwi Point rezoning is proposed, and the analysis in this report includes:

- A site description and identification of key resource management issues;
- Resource Management Act considerations including higher-order planning documents, the Regional Policy Statement and other strategies and policies;
- An outline of the current Kiwi Point quarrying provisions within the Wellington City District Plan;
- An outline of the key reports;
- An assessment of alternative options;
- Site specific resource management issues and environmental effects assessment;
- Consultation;
- Application of Section 32 of the RMA; and
- Conclusions.



## 2. Site Description and Key Resource Management Issues

### 2.1 The Site

The Quarry site is located on the south-western side of State Highway 1 (Centennial Highway) within the Ngauranga Gorge, approximately five kilometres north of central Wellington. The Quarry site is held in a number of land parcels under the ownership of Wellington City Council.

The site has been quarried extensively and presents generally as a highly modified environment. The current (northern) Quarry has been excavated from south to north into a ridge at the northern boundary of the site resulting in the formation of a batter slope rising steeply to the north. Associated infrastructure is located throughout the site including extraction systems, crushing plant, workshops, transformer huts, sediment retention ponds and storage structures.

Vehicle access to the site is via Centennial Highway with a left in entrance to and a left out exit from the site. An earth bund extends along the site frontage north of the access, limiting views of the lower quarry area from vehicles passing the immediate site area. A locked gate provides access to an unsealed internal accessway via Fraser Avenue however the current District Plan standards require that the State Highway access is the sole means of entry and exit for quarry vehicles.

The area of the proposed plan change is to the south of the existing northern site and adjoins the area known as the southern extension. This rises steeply from State Highway 1 westwards towards the top of the escarpment generally below the eastern end of Gurkha Crescent and the eastern properties of Shastri Terrace.

The Taylor Preston Abattoir is located between the northern and southern areas of the site. These features can be seen in the figure 1 below.

### 2.2 The Surrounding Area

Ngauranga Gorge forms a gateway to Wellington City with State Highway 1 serving as the main roading link to the north. State Highway 1 in this location is formed as a separated road corridor with three lanes both north and south bound. Due to a lack of feasible alternatives, pedestrian and cycling access is not prohibited along this stretch of State Highway 1 which is declared a Limited Access Road not a Motorway.

The topography of the gorge is generally steep, falling sharply as the road descends from the Newlands Interchange to the bottom of the gorge near Wellington Harbour. The State Highway running through the centre of the gorge is a dominant feature of the area with the landscape otherwise characterised by the relatively steep, and in some instances battered, rock walls and vegetated or semi-vegetated hillsides.



Within the wider Quarry site is the Taylor Preston Abattoir, located at 131 Centennial Highway. The abattoir features a number of buildings, generally obscured from passing vehicles by the road boundary earth bund. The abattoir is located on a relatively flat site platform created by previous quarrying activity. The site also contains an area for stock grazing should abattoir operations require it.

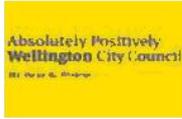
South of the Quarry site is the Ngauranga Business Park, centred on Tyers Road and featuring a range of commercial and light industrial activities. A hill physically separates the Quarry activity from the Business Park.

The south western ridgeline of the gorge features established residential development. The closest residential properties to the area proposed to be rezoned are located in Gurkha Crescent, Shastri Terrace and Imran Terrace located high above the Ngauranga Gorge towards the top of the hill on the gorge's southwestern flank.

The Quarry site is in part visible to some properties along the ridgeline although direct views are generally limited due to the topography of the area and the fact that subdivision development has generally occurred since the quarry activity has been in operation.

The Westmount School campus (a registered private school for Year 3-13 students) is located along Fraser Avenue directly opposite the northern extent of the site. The Malvina Major Retirement Village is located at 134 Burma Road, with views generally orientated toward the Wellington Harbour, over the wider quarry area. The Johnsonville Railway Line also runs in part along the western ridgeline.

The eastern side of the gorge is characterised by steep rock face and hillsides with vegetation density generally increasing south of the Quarry site. A residential subdivision (Pukehuia) is consented along the eastern ridgeline (Spenmoor Street). Direct views into the existing Quarry from most residential properties are generally limited due to the topography of the area.



**2.3 Location Map**



*Figure 1: Location Map of the Quarry site and the proposed expansion.*



## **2.4 Key Resource Management Issues**

Against the background described above it has become clear that the zoning of the land needs to be properly considered to ensure future quarry development occurs within a planning framework that enables the relevant local resource management issues to be taken into account.

Key resource management issues of considering expanded quarrying operations include:

- The overall local and regional demand for aggregate including economic impacts/imperatives.
- The location of the existing quarry within the Ngauranga Gorge and the continuation of quarrying in an area that has a long history of being used for that purpose.
- Amenity effects to those that adjoin or are in close proximity to the Ngauranga Gorge.
- The short and long term visual effects of quarrying the southern face.
- Remediation and offset ecological mitigation.
- Long term use of the land once quarrying has been completed.



### 3. Resource management considerations

#### 3.1 The purpose of the Resource Management Act 1991

The purpose of the RMA is in s5 and is to promote the sustainable management of natural and physical resources. Sustainable management means:

*Managing the use, development and protection of natural and physical resources in a way, or at a rate, which enables people and communities to provide for their social, economic, and cultural well-being and for their health and safety while –*

- (a) Sustaining the potential of natural and physical resources (excluding minerals) to meet the reasonably foreseeable needs of future generations; and*
- (b) Safeguarding the life-supporting capacity of air, water, soil and ecosystems; and*
- (c) Avoiding, remedying, or mitigating any adverse effects of activities on the environment.*

It has been identified that the key resource management issue for Kiwi Point Quarry is that part of the site's regulatory planning framework (i.e. the current Open Space B zoning) does not align with making that specific land available for quarrying. In this regard, part of the current zoning of the site is not effectively catering for use and development that "enables people and communities to provide for their social, economic and cultural well-being" and therefore not meeting the sustainable management purpose of under the Act.

Providing for aggregate demand while minimising adverse effects is the key management issue for the site. However, there are other relevant management issues such as the importance of local landscape and visual character, that also need to be balanced against the rezoning. This Section 32 process confirms that these issues are fully understood and appropriately managed through the proposed plan change (thereby meeting the purposes of the Act). The relevant resource management issues for an expansion of the Kiwi Point Quarry site are fully identified and explored later in this report.

#### 3.2 Council functions under the Resource Management Act 1991

Section 31 of the RMA specifies the resource management functions of territorial authorities. Section 31(1)(a) specifies the broad function as follows:

*"Every territorial authority shall have the following functions for the purpose of giving effect to this Act in its district:*

*"the establishment, implementation, and review of objectives, policies and methods to achieve the integrated management of the effects of the use, development, or protection of land and associated natural and physical resources of the district..."*



Subsequent subsections outline more specific considerations, including the avoidance and mitigation of natural hazards and maintenance of indigenous biological diversity. District Plans are specifically addressed in Sections 72 – 77. Some key elements of these sections include:

- A requirement that there be at all times a District Plan for each district (ss73(1)).
- Specific matters to be considered in preparing a District Plan (or plan change) (Section 74).
- The required contents of a District Plan (Section 75).
- The ability for territorial authorities to include rules in District Plans (ss76(1)).

Council, in exercising these functions and responsibilities, must at all times act in accordance with the “purpose and principles” of the RMA as set out in Part 2 (Sections 5-8). The purpose of the RMA, defined in Section 5, is “sustainable management” and this must underpin all of Council’s activities, with further guidance provided in sections 6, 7 and 8 (“matters of national importance”, “other matters” and “Treaty of Waitangi”).

### 3.3 Section 32

Section 32(1) requires that, before the Council publicly notifies a proposed change to the District Plan, an evaluation report required must:

- (a) examine the extent to which the objectives of the proposal being evaluated are the most appropriate way to achieve the purpose of this Act; and*
- (b) examine whether the provisions in the proposal are the most appropriate way to achieve the objectives by—*
  - (i) identifying other reasonably practicable options for achieving the objectives; and*
  - (ii) assessing the efficiency and effectiveness of the provisions in achieving the objectives; and*
  - (iii) summarising the reasons for deciding on the provisions; and*
- (c) contain a level of detail that corresponds to the scale and significance of the environmental, economic, social, and cultural effects that are anticipated from the implementation of the proposal.*

When assessing efficiency and effectiveness of the provisions in achieving the objectives of the proposed plan change the report must under s32(2):

- (a) identify and assess the benefits and costs of the environmental, economic, social, and cultural effects that are anticipated from the implementation of the provisions, including the opportunities for—*
  - (i) economic growth that are anticipated to be provided or reduced; and*
  - (ii) employment that are anticipated to be provided or reduced; and*



- (b) *if practicable, quantify the benefits and costs referred to in paragraph (a); and*
- (c) *assess the risk of acting or not acting if there is uncertain or insufficient information about the subject matter of the provisions.*

Benefits and costs are defined in s2 of the RMA as including benefits and costs of any kind, whether monetary or non-monetary.

### 3.4 National Policy Statements and National Environmental Standards

#### 3.4.1 National Policy Statement on Urban Development Capacity 2016

The preamble to the NPS UDC<sup>1</sup> states that it

*...provides direction to decision-makers under the Resource Management Act 1991 (RMA) on planning for urban environments. It recognises the national significance of well-functioning urban environments, with particular focus on ensuring that local authorities, through their planning, both:*

- *enable urban environments to grow and change in response to the changing needs of the communities, and future generations; and*
- *provide enough space for their populations to happily live and work. This can be both through allowing development to go “up” by intensifying existing urban areas, and “out” by releasing land in greenfield areas.*

This is followed up by a range of Objectives:-

#### **Objective Group A – Outcomes for planning decisions**

*OA1: Effective and efficient urban environments that enable people and communities and future generations to provide for their social, economic, cultural and environmental wellbeing.*

*OA2: Urban environments that have sufficient opportunities for the development of housing and business land to meet demand, and which provide choices that will meet the needs of people and communities and future generations for a range of dwelling types and locations, working environments and places to locate businesses.*

---

<sup>1</sup> National Policy Statement on Urban Development Capacity 2016 p3



*OA3: Urban environments that, over time, develop and change in response to the changing needs of people and communities and future generations.*

**Objective Group B – Evidence and monitoring to support planning decisions**

*OB1: A robustly developed, comprehensive and frequently updated evidence base to inform planning decisions in urban environments.*

**Objective Group C – Responsive planning**

*OC1: Planning decisions, practices and methods that enable urban development which provides for the social, economic, cultural and environmental wellbeing of people and communities and future generations in the short, medium and long-term.*

*OC2: Local authorities adapt and respond to evidence about urban development, market activity and the social, economic, cultural and environmental wellbeing of people and communities and future generations, in a timely way.*

**Objective Group D – Coordinated planning evidence and decision-making**

*OD1: Urban environments where land use, development, development infrastructure and other infrastructure are integrated with each other.*

*OD2: Coordinated and aligned planning decisions within and across local authority boundaries.*

While not overly directive the NPS UDC supports growing urban environments and allowing future generations to provide for their social, economic, cultural and environmental wellbeing. A local and consistent supply of aggregate will support the housing supply and supporting infrastructure objectives of the NPS.

### 3.4.2 Other National Policy Statements

None of the following are considered applicable to the consideration of a rezoning of land for quarrying purposes:-

- National Policy Statement for Freshwater Management 2017 (although this would be a relevant consideration for any resource consents under the Regional Plans);
- National Policy Statement for Renewable Electricity Generation 2011;
- National Policy Statement on Electricity Transmission 2008; and
- New Zealand Coastal Policy Statement 2010.

### 3.5 Regional Policy Statement

The Regional Policy Statement for the Wellington Region (RPS) was made operative by Greater Wellington Regional Council in 2013. It is at the apex of Policies and Plans in the Wellington Region and



is described as “an integral document in helping the Wellington Regional Council and the region’s city and district councils support the achievement of this region’s community outcomes”<sup>2</sup>.

The RPS outlines Objectives and Policies which are designed to assist in achieving the Community Outcomes. In the introduction to Chapter 3.11 Soils and Minerals the following explains the importance of quarrying for the region.

*In the Wellington region, sand, rock, gravel and limestone are extracted from rivers, seabed, beaches, coastal cliffs and inland quarries. Oil and gas exploration are also ongoing in parts of the seabed of Wairarapa and Kāpiti. As the region’s population continues to expand, the demand for mineral resources, particularly aggregate, will increase. A sustained supply of aggregate will be needed to provide for building, construction and roading projects associated with this growth but also to maintain and redevelop existing infrastructure. Resource availability or inefficiencies in obtaining such resources has the potential to impact on the timely and efficient provision of regionally significant infrastructure – in particular new roading projects.*

*Mineral resources are fixed in location, unevenly distributed and finite. Extraction processes, sites and transportation routes can create adverse environmental effects. If activities sensitive to the effects of extraction, processing and transportation are established nearby, the full and efficient future extraction of these resources can be compromised. Additionally, reverse sensitivity effects can arise where a new sensitive activity must either accept or protect itself from the effects associated with the working site. These effects are most likely to arise where working sites and their access routes are adjacent to residential and rural-residential subdivisions or adjacent to areas which can be subdivided. In such circumstances, the new activities would need to incorporate provisions that ensure adequate protection from potential effects such as noise, dust and visual impacts from the established activity.*

*Similarly, the transportation of mineral resources around, through and out of the region can give rise to adverse environmental effects and can have economic implications. There are benefits to allowing extraction and processing by extractive industries as close as possible to the location of use of the final product to avoid distributing adverse effects across a greater area than necessary to meet the need for these resources.<sup>3</sup>*

Further in relation to Soils and Minerals the RPS outlines 5 issues of relevance of which the following is directly applicable.

*5. Limited mineral resources*

*There are limited mineral resources in the region and demand for these will increase. A sustained supply of mineral resources is essential to provide for the well being of the regional*

<sup>2</sup> RPS Section 2.3 p10

<sup>3</sup> Regional Policy Statement for the Wellington Region 2013 pages 78 and 79.



and local communities and the people of Wellington, and for the regional economy. There are also benefits from extracting mineral resources locally.<sup>4</sup>

This is followed up by Objective 31 and Policy 60 that state:-

**Objective 31:** *The demand for mineral resources is met from resources located in close proximity to the areas of demand; and*

**Policy 60:** *Utilising the region's mineral resources – consideration*

*When considering an application for a resource consent, notice of requirement, or a change, variation or review of a district or regional plan, particular regard shall be given to:*

- a) the social, economic, and environmental benefits from utilising mineral resources within the region; and*
- b) protecting significant mineral resources from incompatible or inappropriate land uses alongside.*

**Explanation** *Policy 60 directs that particular regard be given to the social, economic, and environmental benefits of utilising mineral resources within the region. It also requires that particular regard be given to protecting significant mineral resources from incompatible and inappropriate land use alongside. This protection extends to both the land required for the working site and associated access routes. Examples of methods to protect significant mineral resources include the use of buffer areas in which sensitive activities may be restricted, and the use of noise reduction measures and visual screening.*

Objective 31 and the first part of Policy 60 are strongly supportive of recognising the social, economic and environmental benefits from utilising mineral resources while Objective 31 also has recognition that resource recovery should be located in close proximity to the areas of demand. Kiwi Point Quarry's excellent location, with its direct access onto SH1 is an important factor supporting whether the Plan Change can meet the RPS objective. It should however be noted that clause (b) of Policy 60 also recognises the reverse sensitivity effect of having sensitive land uses, such as residential, in proximity to an area of mineral resource extraction.

### 3.6 Regional Plans

Regional Plans are prepared by regional councils to assist them in fulfilling their functions under the RMA (Section 30). The scope and requirements of regional plans is specified in Sections 63 – 70 of the RMA. There are some areas of overlap between regional and district plans, notably in natural hazard planning, but generally district plans deal with land use and subdivision whereas regional plans deal with discharges, soil, water and the coast.

Greater Wellington Regional Council has five regional operative regional plans, these are:

\_\_\_\_\_

<sup>4</sup> Ibid p79.



- Regional Coastal Plan (2000)
- Regional Freshwater Plan (1999)
- Regional Soil Plan (2000)
- Regional Air Quality Management Plan (2003)
- Regional Plan for Discharges to Land (1999)

Importantly GWRC also notified the Proposed Natural Resources Plan (PNRP) in 2015. The purpose of the PNRP is to replace the five operative regional plans. At the time of writing hearings are approximately half way through with decisions due late 2018. These documents have been reviewed as it is considered that the proposed provisions are consistent with them. However it is noted that to implement quarrying, a number of new or varied resource consents would be required to implement quarrying on the southern face.

### 3.7 Other Relevant Statutory and Non-Statutory Strategies and Policies

There are a number of other plans, non-statutory strategies and policies that are relevant that have been referred to in preparing this proposed plan change. None of them are overly directive as to the acceptability or otherwise of an expansion of quarrying activity in the Ngauranga Gorge. These are:

- The high level Wellington Regional Strategy<sup>5</sup>
- The WCC Long Term Plan 2015-2025
- The Wellington Urban Growth Plan 2015
- The Suburban Reserves Management Plan 2015

#### 3.7.1 Wellington Regional Strategy 2012

In 2012 a revised Regional Strategy was released by the Region's local authorities. The aim of the Strategy is:

*'to build a resilient, diverse economy – one that retains and creates jobs (especially high value jobs), supports the growth of high value companies and improves the region's position in relation to the national GDP and national employment.'*<sup>6</sup>

The revised WRS provides six focus areas, of which focus area 3 – 'Building world class infrastructure' is the most directly relevant to the Project. This focus area recognises that:

*Regional economic prosperity is heavily dependent on the region's level of connectedness and resilience at local, national and international levels. This is in turn dependent on the quality of our foundation infrastructure and transport systems.'*<sup>7</sup>

<sup>5</sup> <http://www.gw.govt.nz/assets/About-GW-the-region/Wellington-Regional-Strategy-2012.pdf>

<sup>6</sup> Wellington Regional Strategy p6



In broad terms the continuation of supply of aggregate from quarrying operations supports this focus area as 43% of the aggregate is used for roading products and 17% for asphaltic aggregate. The other 40% of rock use is for concrete aggregate (23%) and other purpose aggregates (17%).

### 3.7.2 Wellington City Long Term Plan 2015-2025

This is the key long term planning document that sets out Council intentions for the next decade. The Council website<sup>8</sup> states:

*We review our long-term plan every 3 years to make sure it is still relevant and accurate. We check to make sure we are moving in the right direction and addressing community outcomes. The plan states the current situation along with future expectations and intentions.*

*Our 10 year plan sets out how and why we propose to 'invest for growth'. We will support new initiatives that unlock the city's growth potential. This will happen in exchange for a small and manageable increase in debt and rates.*

*We'll continue with 'business as usual' while we put our growth agenda in place. This will happen without making any trade-offs or proposing service cuts. Our plan focuses on essential services with extra funds to sustain growth.*

*Our strong financial position means we can afford to invest in growth projects. To support our growth, there will be modest increases in debt and rates. These will be limited to 3.9% per year on average over the next 10 years.*

Of broad relevance to the District Plan are the long term outcomes for urban development, transport, and the environment. It is considered that the proposed District Plan provisions are consistent with these outcomes.

Specifically however in respect of Kiwi Point there is limited mention of the quarry other than it is listed as a strategic asset for the City<sup>9</sup> along with facilities such as the infrastructure network, community facilities, the Zoo and strategic landholdings like the Waterfront. However if a quarry at Kiwi Point could not provide a source of aggregate this may have longer term planning and financial implications for the City as in terms of its own aggregate needs these would need to be sourced from alternative sites.

<sup>7</sup> Ibid p7.

<sup>8</sup> <https://wellington.govt.nz/your-council/plans-policies-and-bylaws/plans-and-reports/long-term-plan/long-term-plan-2015-25>

<sup>9</sup> WCC Long Term Plan 2015 to 2025 Volume 2 p141.



### 3.7.3 Wellington Urban Growth Plan (WUGP) 2015

The Wellington Urban Growth Plan provides a framework to manage the city's future growth. This plan is a significant piece of strategic planning which is in line with regional level strategic policy directions for guiding and providing for growth in Wellington.

Specific consideration of environmental and heritage issues while building on the many geographical, social, economic, and cultural advantages that the city has. The Executive Summary to the WUGP<sup>10</sup> states:

*This is an action-focussed plan, which builds on, updates and replaces our existing urban development and transport strategies. It seeks to:*

- *maintain the city's liveability – the features that support our high quality of life and the city's character*
- *keep the city compact, walkable and supported by an efficient transport network*
- *protect the city's natural setting – nested between our green hills and coastline, contributing to our distinctive character*
- *make the city more resilient to natural hazards such as earthquakes and the effects of climate change.*

*The plan is the Council's guide for directing investment and supporting development in growth areas – a blueprint for prioritising and managing future growth. This includes actions to support:*

- **Transformational growth areas:** *We will support quality urban development in locations suitable for growth including the regeneration of existing urban areas and development in new greenfield areas*
- **Liveable and vibrant centres:** *We will continue improving the central city and suburban centres*
- **Real transport choices:** *We will continue improving conditions for walking, cycling and public transport, improving our road network, and managing parking more efficiently*
- **Housing choice and supply:** *We will support an increase in housing supply, encourage a greater variety of housing types and more affordable options, and facilitate the development of medium-density housing*
- **Our natural environment:** *We will continue to enhance our natural assets, and reduce the environmental impact of urban development and transport*
- **City resilience:** *We will ensure the city's buildings, infrastructure and coastline can cope with or adapt to the risks posed by natural hazards and climate change.*

<sup>10</sup> <https://wellington.govt.nz/~media/your-council/plans-policies-and-bylaws/plans-and-policies/a-to-z/wgtn-urban-growth/wgtn-urban-growth-plan2015.pdf>



*The plan will support Council decisions on planning and investment and provide certainty for the city's stakeholders – developers, central government, iwi, ratepayers and residents. The priority projects identified in the plan will inform our Long-term Plan. To make sure the plan is effective, it will be reviewed and updated every three years, alongside the Long-term Plan, to reflect changing local priorities and development pressures. This will include assessing the progress made in putting the plan into action and reporting back to Councillors and the wider organisation.*

While not explicitly mentioned a reliable source of aggregate will assist in providing for 5 out of 6 outcomes with the 6<sup>th</sup> being the environmental effects of sourcing aggregate. As stated the current zoning for extending quarrying activities is considered impractical and therefore is not geared towards providing for growth in this way or for providing opportunities for more diverse and efficient use of the land. It is considered that this plan change allows for a range of post quarrying land use options which will have a greater benefit to the City than currently provided for under the existing regulatory planning framework. In this regard, it is considered that the plan change is suitably aligned with the strategic aims of the WUGP.

### 3.7.4 Suburban Reserves Management Plan 2015<sup>11</sup>

The purpose of the Suburban Reserves Management Plan (SRMP) is:

*... to provide Wellington City Council with a clear framework for day-to-day management and decision-making for Council administered reserves and open spaces in the suburban areas between Khandallah/Broadmeadows and Miramar (including Makara) for the next 10 years. The suburban reserves north of Khandallah/Broadmeadows are currently included in the Northern Reserves Management Plan. Objectives and policies give guidance for the development, management, protection, operation, and public use of these reserves.*

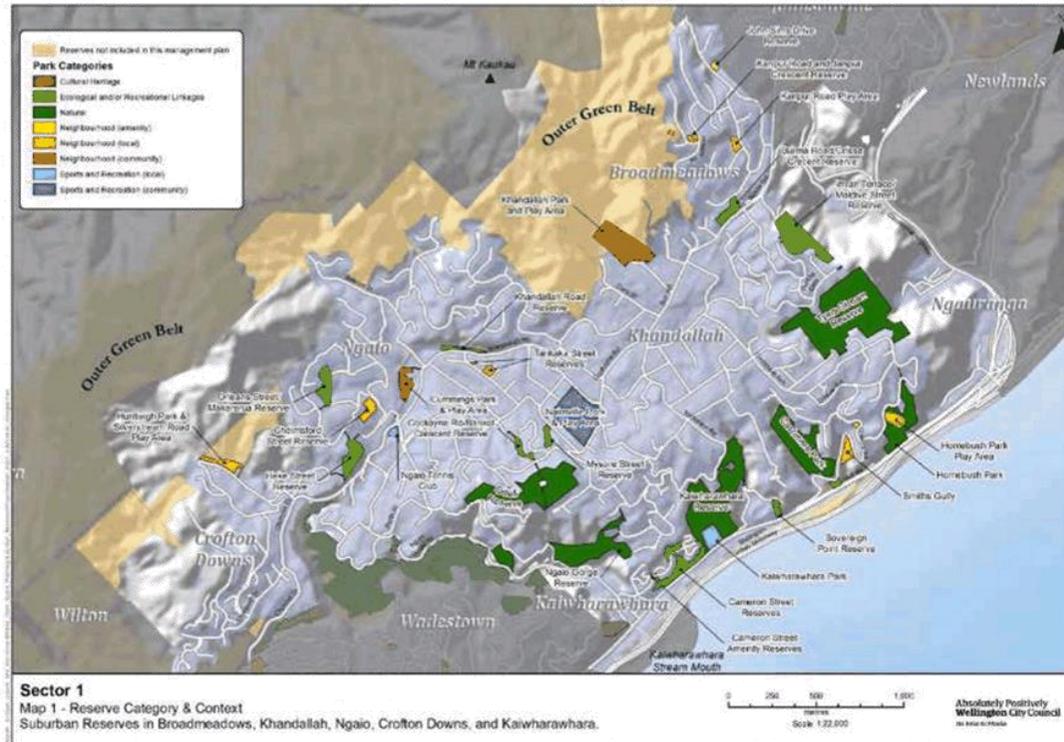
The closest existing Reserves to the Quarry are the Imran Terrace/Maldiva Street Reserve and the Tyers Stream Reserve. Reserves on the north and eastern sides of the Ngauranga Gorge are administered within the Northern Reserves Management Plan.

The SRMP is important as it outlines in detail what is sought from Reserves Management and puts in place a programme of management and enhancement where necessary.

It is understood that WCC's residual Open Space landholdings outside of what would be operational Quarry would be classified formally as a reserve and consequently be subject to management under a future or amended Management Plan. These areas are in figure 1 above would presumably be managed as part of the adjoining Tyers Stream Reserve and also are the areas for mitigation ecological enhancements. The existing reserves configuration in this part of Wellington is shown below<sup>12</sup>.

<sup>11</sup> <https://wellington.govt.nz/your-council/plans-policies-and-bylaws/policies/suburban-reserves-management-plan>

<sup>12</sup> At page 38



SUBURBAN RESERVES MANAGEMENT PLAN 2015 | 38

Figure 2: Reserves Category and Control Khandallah, Broadmeadows, Ngaio, Crofton Downs, Kaiwharawhara, Ngauranga Gorge



## 4. Wellington City District Plan

### 4.1 Current Zoning

As discussed quarry activity has been occurring in the Ngauranga Gorge area over a number of years, operating under various different legislation and rule frameworks. An analysis of past frameworks has provided a level of insight into the emergence and expansion of quarry activity in the area. However, other than to recognise the long association of quarry activity in the area, it is considered that there is little direct benefit in analysing previous rule frameworks. Consequently this analysis focuses on the current RMA framework under which the proposed expansion would be assessed.

As stated previously the existing northern face and the southern extension is currently enabled through the District Plan. The current planning framework was as a result of specific Plan Changes with the last being made operative in 2009.

The Quarry therefore operates as a Permitted Activity under the Business 2 Area provisions in the District Plan (the Plan), provided that it complies with standards specified in sections 34.6.1 (activities), 34.6.2 (buildings and structures) and 34.6.5 (Kiwi Point Quarry standards). Quarry activities are restricted to the area within the Business 2 zone north of the Taylor Preston Abattoir and south of the access road, excluding a buffer area separating the Quarry site from residential development.

The Plan seeks to provide for the development and rehabilitation of the Quarry in a way that avoids, mitigates or remedies adverse effects associated with quarrying activity. A description of the Quarry is provided as follows in Chapter 33 Business Area Objectives and Policies:

*Kiwi Point Quarry is an established quarry located in the Ngauranga Gorge, involving ongoing extraction, processing, cleanfilling and rehabilitation. As the continuing availability of aggregate and other quarry materials is economically important for the City and wider region, the Plan makes specific provision for the ongoing use and development of the quarry. For both the older and newer areas of the quarry, specific rules and a development plan are incorporated. These provisions provide for the avoidance or mitigation of adverse effects from the quarry activity and the long-term mitigation of effects on landscape and landform following quarrying.*

*The progressive rehabilitation of the area is an important aspect of quarry management, and accordingly the Quarry Management Plan includes rehabilitation provisions. As quarrying and cleanfilling activities are completed on the site, an implementation plan shall be prepared annually by the consent holder in accordance with the Quarry Management Plan.*

*Overall, the environmental result will be the availability of quarry materials for the City and wider region in the short and medium term, and long-term achievement of well-vegetated quarry faces with the appearance of natural landforms which will be integrated with Council development of Open Space areas in this vicinity.*

Figure 1 below shows the current zoning for the Quarry site (Business 2) and surrounding area.

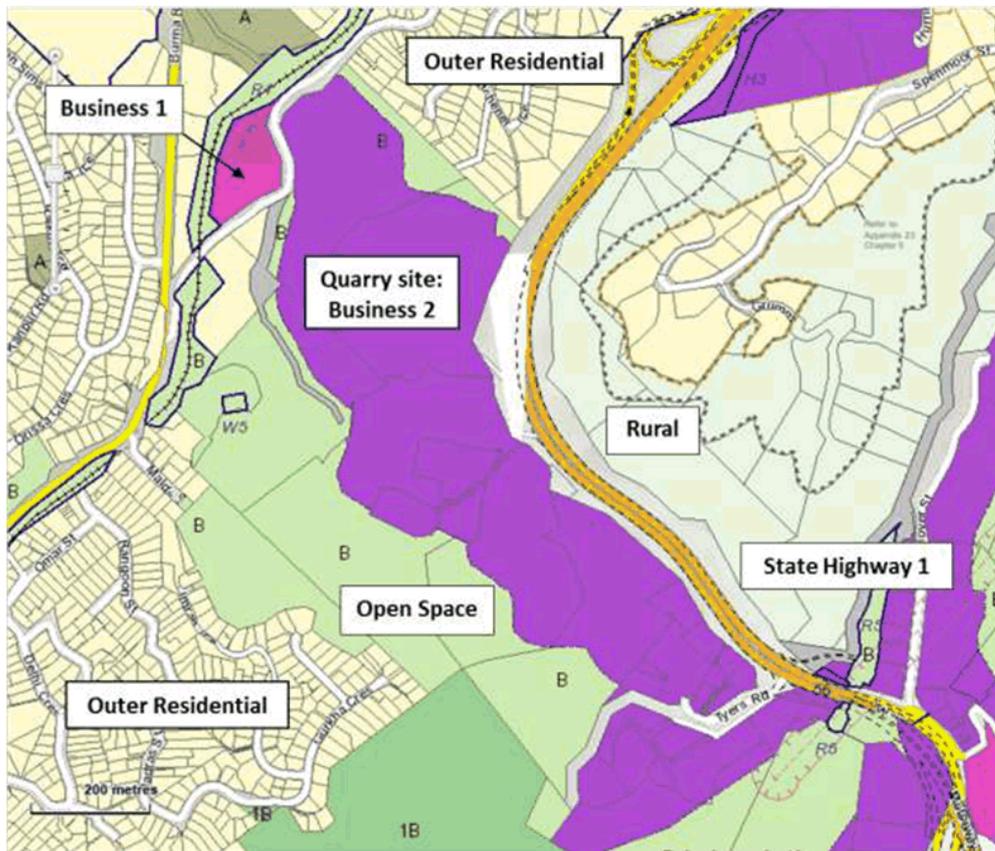


Figure 2: Current District Plan zoning for the Quarry site and surrounding area.

Appendix 2 of the Business Area Appendices also shows the extent of the Quarry, including buffer areas, as shown in Figure 3.

4.1.1 Objectives

As stated specific provision for current quarrying activities is provided for in Chapter 33 Business Areas. In particular the Introduction (33.1) states:-

...  
*The Kiwi Point Quarry is also included as a Business Area. The quarry is subject to specific rules recognising its economic importance to the City and wider region as well as to other relevant rules applying elsewhere in Business Areas to mitigate adverse effects.*

There is no specific Objective for the quarry rather there is a policy provided for under Objective 32.2.2.



33.2.2 To enable an appropriate range of activities to occur in Business Areas, provided they do not undermine the City's Centres, and that adverse effects are avoided, remedied or mitigated.

Also considered applicable objectives are:-

33.2.1 To provide Business Areas that can accommodate a wide range of business and industrial activities to meet the social and economic needs of the City.

33.2.3 To recognise where unique development opportunity areas exist within Business Areas and encourage redevelopment of these in a manner that is compatible with, and enhances amenity values and contribute to the City's distinctive physical character, sense of place and contained urban form.

33.2.4 To ensure that activities and developments at least maintain the amenity values and public safety within Business Areas and those of any nearby Residential Areas.

Other Business Area Objectives are not considered directly applicable.

#### 4.1.2 Business Areas Policies

The specific Business Area Policy that applies to Kiwi Point Quarry is:

33.2.2.7 Provide for the development and site rehabilitation of the Kiwi Point Quarry to the extent specified in the Plan in a way that avoids, mitigates or remedies adverse effects.

##### METHODS

- Rules (including Appendix 2 showing the extent of quarry areas)
- A quarry management plan

The explanation to this policy states:-

*Kiwi Point Quarry is an established quarry located in the Ngauranga Gorge, involving ongoing extraction, processing, cleanfilling and rehabilitation. As the continuing availability of aggregate and other quarry materials is economically important for the City and wider region, the Plan makes specific provision for the ongoing use and development of the quarry. For both the older and newer areas of the quarry, specific rules and a development plan are incorporated. These provisions provide for the avoidance or mitigation of adverse effects from the quarry activity and the long-term mitigation of effects on landscape and landform following quarrying. It is the Council's intention that cut faces should be designed to yield a relatively natural landform in the long term and that rehabilitation of cut faces should begin as early as practicable. The staging of quarry development, and the day to day management of quarry activities are further detailed and controlled through the application of a quarry management plan.*



A quarry management plan shall be prepared and regularly updated by Council, which sets out:

- intended staging of the excavation and cleanfilling activities
- the means of management of surface and groundwater
- management of on-site traffic
- provision for any onsite processing and temporary storage of quarry material
- any specific provisions relating to onsite management of noise, dust, vibration, visual impact, water quality
- a procedure for addressing any complaints
- objectives and principles for the rehabilitation of the site, including:
  - a timetable for the rehabilitation of prominent quarry faces
  - measures to create soil conditions which will support plant growth
  - measures to create a variety of site conditions to support a range of species
  - means of controlling runoff to avoid erosion
  - means of control of plant and animal pests
  - measures to avoid fire risks
  - means to assist native vegetation to regenerate on grazing land
  - rehabilitation which is compatible with Open Space strategy for adjacent areas of land
- management of buffer areas
- practices and methods that will be adopted to ensure that all permitted activity conditions applying to the activities will be met.

The quarry management plan will complement the other rules applying to the quarry activity and will provide additional management details. It will be reviewed by Council at least every five years and any necessary adjustments will be made.

The progressive rehabilitation of the area is an important aspect of quarry management, and accordingly the Quarry Management Plan includes rehabilitation provisions. As quarrying and cleanfilling activities are completed on the site, an implementation plan shall be prepared annually by the consent holder in accordance with the Quarry Management Plan.

The requirement that regular monitoring is undertaken and regular progress reports are completed and submitted to the Council is a key element. This requirement is included because successful rehabilitation of any disturbed area requires constant monitoring as site conditions vary considerably and evolve over time. Regular observation and recording of results is an essential part of managing the process.

A vegetated buffer area is included within the area as part of the development of the southern part of the quarry. At the northern end, the necessary buffer area is within the Open Space B Area. It is important also that rehabilitation of the quarry area should recognise and in the longer term be able to be integrated as appropriate with the Open Space strategy developed by the Council for the adjacent areas of land. Current Council policy is for the



*creation of further Green Belt areas on the steep hill sides of the Ngauranga Gorge and, for instance, it may be possible to allow continuation or linking of proposed walkways.*

*Overall, the environmental result will be the availability of quarry materials for the City and wider region in the short and medium term, and long-term achievement of well-vegetated quarry faces with the appearance of natural landforms which will be integrated with Council development of Open Space areas in this vicinity.*

## 4.2 Rules and Standards

### 4.2.1 Rules

A location specific rule permitted activity applies to the current Kiwi Point Quarry.

*34.1.5 Quarrying and clean filling on part Lot 1, and part Lot 2 DP 72995, part Lot 4, part Lot 5 and part Lot 6 DP 72996, part Lot 1 DP 34015, part Lot 1 DP 65030 and part Lot 2 DP 91179 Ngauranga Gorge (known as Kiwi Point Quarry) is a Permitted Activity provided that it complies with the standards specified in sections 34.6.1 (activities), 34.6.2 (buildings and structures) and 34.6.5 (Kiwi Point Quarry standards), (except that standard 34.6.1.9.2 does not apply to the temporary stockpiling or storage of quarried rock material).*

Therefore subject to compliance with specific standards and a Quarry Management Plan, quarrying activity is permitted. Rules 34.3.3 and condition 34.3.3.1 provide a discretionary activity rule applying to Kiwi Point if standards cannot be met.

*34.3.3 Quarrying and cleanfilling activities in Ngauranga Gorge (Kiwi Point Quarry) which would be Permitted Activities but that do not meet one or more of the standards specified in sections 34.6.1 (activities), 34.6.2 (buildings and structures) and 34.6.5 (Kiwi Point Quarry standards) are Discretionary Activities (Restricted), (except that standard 34.6.1.9.2 does not apply to the temporary stockpiling or storage of quarried rock material).*

*Discretion is restricted to the effects generated by the standard(s) not met, subject to compliance with the following condition:*

*34.3.3.1 the duration of any consent granted for processing plant or buildings in the southern part of the Quarry provided for under this Rule shall not exceed 10 years.*

#### **Non-notification/ service**

*In respect of Rule 34.3.3 applications will not be publicly notified (unless special circumstances exist) or limited notified.*

### 4.2.2 Standards

The standards link directly to the rules and cover the operational aspects of the quarry.

#### **34.6.5 KIWI POINT QUARRY STANDARDS**



*These standards apply to all quarrying and clean filling activities in the Kiwi Point Quarry.*

**34.6.5.1 General**

*34.6.5.1.1 Any relevant provisions of standards 34.6.1 and 34.6.2 except that Rule 34.6.1.9.2 does not apply to the temporary stockpiling or storage of quarried rock material.*

**34.6.5.2 Dust**

*34.6.5.2.1 Dust control measures shall be undertaken to avoid creating a dust nuisance beyond the Quarry Boundary.*

**34.6.5.3 Quarry activities**

*34.6.5.3.1 Quarry activities shall be restricted to the area within the Business Area north of the abattoir and south of the access road, excluding the area shown as a buffer area, as identified on the plan included as Appendix 2.*

*34.6.5.3.2 Some blasting may be carried out as part of the normal quarrying operations. Blasting of faces for crushed rock production must take place between 10.00am and 2.00pm Monday to Friday only.*

*34.6.5.3.3 In all cases, residents of Tarawera Road, Plumer Street, 113, 130, 166, 170 and 175 Fraser Avenue, and 146 Burma Road must be notified by mail no less than one week in advance of blasting. Blasting must be immediately preceded by a siren or hooter with a sound which distinguishes it from normal Police, Ambulance or Fire Service sirens.*

*34.6.5.3.4 The finished slope of quarry faces shall not exceed 55 degrees from the horizontal.*

*34.6.5.3.5 The maximum height of finished batters shall not exceed 15 metres.*

*34.6.5.3.6 A buffer area with a minimum width of 25 metres shall be maintained on the uphill boundary of the site as shown on Appendix 2. This area will be allowed to revegetate naturally except where there is a need for additional planting.*

*Note: At the north end of the quarry near Plumer Street and Tarawera Road, the buffer area is within the Open Space B Area as shown in Appendix 4 and is governed by the Open Space provisions.*

*34.6.5.3.7 A fence must be maintained adjacent to any properties in the Residential Area along the quarry boundary to a height of 1.2m.*

*34.6.5.3.8 Prior to commencement of operations in any area, a security fence must be installed and maintained along the outer edge of the buffer area.*

*34.6.5.3.9 No quarry activities shall be undertaken within the buffer area unless agreed by Council.*

**34.6.5.4 Cleanfill activities**

*34.6.5.4.1 Cleanfill activities shall be restricted to the area shown on the plan included as Appendix 2.*



34.6.5.4.2 *The cleanfill shall comply with the definition of cleanfill in Section 3 (Definitions) of this District Plan.*

**34.6.5.5 Location of quarry plant**

34.6.5.5.1 *The primary crusher may be moved as the quarry face recedes and new faces are worked. Any processing plant or buildings within the southern part of the quarry shall be relocatable.*

**34.6.5.6 Traffic movement**

34.6.5.6.1 *There shall be one entry point to the quarry, via Crossing Place 22 from State Highway One (also the main access to the adjacent Abattoir). This must be the sole means of entry and exit for quarry vehicles. This access must be maintained to the standard of local streets.*

**34.6.5.7 Rehabilitation and treatment of stripped areas**

34.6.5.7.1 *All land encompassed within the quarry boundary shall be progressively rehabilitated (except where used for other permitted or consented activities). Any planting will take place as soon as practicable following the completion of the quarry or cleanfill activity. Planting will be undertaken using indigenous species from local sources, except where exotic species are required to provide erosion control and/or temporary nurse cover for revegetation with indigenous species.*

34.6.5.7.2 *Excluding the Abattoir area, areas shown on Appendix 2 which are not shown as areas for quarrying and/or cleanfilling shall be allowed to revegetate.*

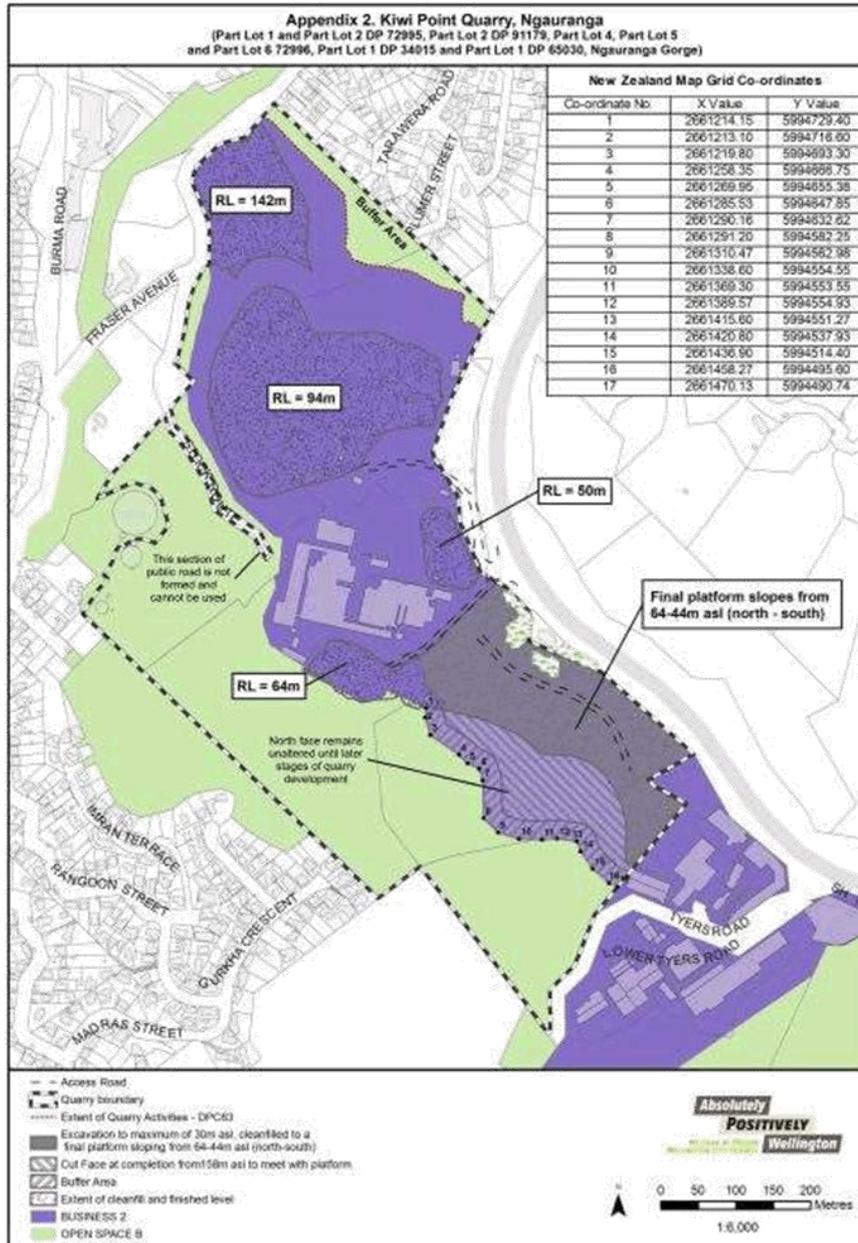
34.6.5.7.3 *All exposed surfaces of fill shall be hydro-seeded, or any other approved method, immediately following completion of works as a dust and erosion control measure.*



**4.2.3 Business Areas Appendix 2.**

Kiwi Point Quarry (Part Lot 1 and Part Lot 2 DP 72995, Part Lot 2 DP 91179, Part Lot 4, Part Lot 5 and Part Lot 6 DP 72996, Part Lot 1 DP 34015 and Part Lot 1 DP 65030, Ngauranga Gorge)

Item 2.1 Attachment 3



**Figure 3: Appendix 2, Kiwi Point Quarry as included in Chapter 34 Business Areas Appendices in the District Plan**



## 5. Technical Reports

A number of reports have informed the preparation of the plan change and the evaluation under s32 of the Act.

### 5.1 Regional Demand Forecasts for Aggregates in Wellington

An aggregate demand report prepared by Spire Consulting Limited<sup>13</sup> provides a general overview of rock resource availability at a regional level.

The report identifies increasing aggregate demand in the region due to a mix of an underlying demand (general building, roading and infrastructure), population growth and development forecasts and specific projects and infrastructure works (including Roads of National Significance, link road projects and Wellington Airport projects). Total quarry aggregate production for the Wellington Region (for the Kiwi Point, Horokiwi and Belmont quarries combined) is estimated to increase from approximately 1,200,000 tonnes per annum in 2016 out to 1,640,000 tonnes per annum in 2050.

A prior assessment of economic effects of Belmont Quarry extension states that aggregate forecast to increase gradually from about 1.8 million in 2013 to approximately around 2.5 million tonnes by 2031.<sup>14</sup>

The Spire report concludes there is limited downside risk to future demand but identifies a supply risk due to higher demand levels from construction/infrastructure activity or from re-building from one-off events such as an earthquake.

The report extends to include consideration of the following locations as alternative sites in the region for aggregate extraction:

- the Makara area (centred around Quartz Hill);
- Owhiro Bay Quarry; and
- the Northern Ngauranga Gorge.

The report comments that there would be considerable difficulties in accessing these resources and notes that in the wider region there are limited other possibilities.

From an RMA process perspective, the report provides background business case information to support the expansion of Kiwi Point Quarry from a regional perspective. The report provides an overview of available alternative site options in the wider region (or lack thereof) which in turn provides further understanding of the necessity of the proposed expansion works. The report demonstrates future

<sup>13</sup> Regional Demand Forecasts for Aggregates in Wellington Spire Consulting undated but July 2016

<sup>14</sup> Assessment of Economic Effects – Belmont Quarry Extension. NZIER for Winstone Aggregates June 2013



aggregate demand and underlines previous conclusions drawn from business case investigations - that there is limited supply available from existing quarries in the region with likely future demand.

The report also includes a revised spreadsheet attached as Appendix C. In this it has been concluded that by extending the life of the quarry, the net estimated financial benefit to the city and community is \$65.3 million, not including the broader direct benefits to the local private construction industry as a direct result of reduced costs associated with maintaining a local supply<sup>15</sup>.

## 5.2 Indicative Value Impact Report

The Indicative Value Impact Report<sup>16</sup> provides an indicative valuation of the Quarry land on the basis that it is remediated to an identified standard. The report extends to consider the types of business and commercial land uses that would likely generate demand for remediated land (post quarry activity) and a high level overview of the market for business and industrial zoned land in the Wellington Region. The report was prepared on the assumption that the land will:

- be provided with building platforms of a size suitable for commercial development;
- be remediated to a contamination standard suitable for commercial development; and
- have north-bound only access and egress from SH1 (as provided for presently).

The report identifies limited availability for new industrial areas within Wellington City and the wider region, noting the following:

- there are very few sites of sufficient scale suitable for modern industrial development requirements;
- traffic congestion and proximity to arterial routes limits efficiency for a number of sites;
- few sites have close proximity to main commercial areas; and
- competing land uses have raised land prices in some areas making industrial land uses uneconomic.

The report concludes that the site is well located in the context of Wellington City (being close to the CBD and the northern suburbs with existing access to SH1) and could accommodate a wide range of industrial and commercial land uses with *relatively strong levels of demand*<sup>17</sup>. The report comments that unless additional access is made to the site then demand for retail use is unlikely. The combined land

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<sup>15</sup> Spire Consulting Ltd Revised Spreadsheet February 2017.

<sup>16</sup> CBRE Kiwi Point Quarry Indicative Value Impact Report July 2016

<sup>17</sup> At page 10.



value (approx. 26.8 ha) as at June 2016 is estimated to be \$42.1m, with estimates for land values at 2050 ranging from \$53.2m to \$76.6m.

In terms of the RMA process, the report adds to the business case understanding, estimating land value and identifying potential future demand for industrial/commercial activities following the completion of quarrying activity on the site. Future commercial/industrial land-use is a key assumption of the report. From a high level assessment perspective, the site generally appears to support commercial/industrial land-use as a long-term outcome for the site.

This report is considered to be highly consistent with the likely overall Project focus to consider not only quarrying outcomes but also long-term land-use options for the site.

### 5.3 Geotechnical Report

The Review of Geotechnical Information<sup>18</sup> prepared by Opus Consultants Ltd provides a high level review of available geotechnical reports to date with the stated report objectives as follows:

- To ensure that the appropriate geotechnical information and assessment are in place to support the proposed change of the District Plan.
- To ensure that the slope stability and other geotechnical risks imposed to the surrounding environment by the quarry operations are low.
- To ensure that the long term stability of the final slopes to be returned to WCC is satisfactory, without the need to implement extensive stabilisation and risk mitigation measures, or additional change of the District Plan for laying back.

The report extends to include consideration of both North Face and South Face works. The following discussion only considers the South Face works.

The report provides a slope description, noting that the height of the quarry slopes of the proposed South Face vary at the different stages of the proposed quarry development, with the final slope height to be approximately 170m. The overall slope angle proposed is approximately 55 degrees.

*Existing infrastructure adjacent to the new development is State Highway 1 at the northeast and the Commercial Centre at the southeast. The residential area of Khandallah, which is located upslope at the southwest of the proposed development, appears to be at a distance of ~100 m from the final proposed slopes and is not considered to be affected (with regard to geotechnical considerations).*

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<sup>18</sup> Opus Consultants Limited 11 July 2016



The report specifically considers: the suitability of the proposed slope angles; slope stability analysis; geological mapping and assessment; investigation of rock defects; geological interpretation of South Face; and, rock fall analysis for North Face. The report concludes as follows:

*A better understanding of the rock structure and presence of defects in the entire area is required to provide confidence on the proposed slope angles for both the Northern Face and new development at the Southern Face. The assessment should be carried out with a focus on the Northern Face, where there is abundance of rock exposure, and the results adequately extrapolated to the proposed areas for new development, Area H and Open Space B.*

The report further recommends that a supplementary assessment be carried out for the South Face to include the following:

- assessment of rock defects and mass quality;
- supplementary geological mapping and interpretation;
- stability and rock fall risk analysis (with regard to long-term land use options post-quarry); and
- investigation of the extent and depth of possible fault zone.

Following receipt of the Opus review, additional material has been provided through Ormiston Associates Ltd on behalf of Holcim Ltd as the Quarry operator. These documents include the following:

- Memorandum - Kiwi Point Quarry Queries Response for Wellington City Council, prepared by Ormiston Associates Ltd., dated 28 July 2016
- Report on the Development Potential of the Quarry, prepared by Ormiston Associates Ltd., dated July 2015
- Slope Stability Review, prepared by ENGEO Limited (formerly Geoscience Consulting NZ Limited), dated February 2015
- Addendum Slope Stability Report for the North Wall and Area H, KiwiPoint Quarry, Wellington, prepared by ENGEO Limited (formerly Geoscience Consulting NZ Limited), dated April 2015.

It is understood from discussion with the Project Manager<sup>19</sup> that with the investigations undertaken to date (by ENGEO, Ormiston and Opus) geotechnical matters have been appropriately assessed sufficient to enable further progression of the RMA process. This report cannot clarify the accuracy of the material presented as this is beyond our area of expertise. Instead we rely on the information presented as being accurate.

From an RMA perspective, decision makers need to be satisfied that geotechnical matters have been robustly assessed and will rely on expert opinion. In progressing RMA processes the Council, as the Project proponent, similarly needs to be satisfied that geotechnical matters have been suitably addressed.

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<sup>19</sup> Logen Logeswaran, Project Manager (Personal communication, 26 August 2016).



## 5.4 Quarry Management Plan

The current Quarry Management Plan (QMP) is due for review in 2019. The QMP is planned to be updated this year as Holcim, as the quarry operator, has recently replaced the main operating plant. Technical information in the QMP is to be updated to reflect the new plant. Information relating to the general management of the quarry site will not otherwise change.

At this stage, noting that only technical information is to be updated, there is limited comment to be made regarding the QMP in the context of the RMA process other than the fact that the document will need to be updated.

## 5.5 Air Quality Assessment

The Air Quality Assessment<sup>20</sup> prepared by MWH examines the potential air quality effects that may arise during the operation of the quarry, including the Quarry southern expansion into the Business 2 zone as provided for under Plan Change 25. The report was prepared to support WCC's resource consent application to GWRC to discharge to air contaminants (predominantly dust) associated with the extraction (quarrying) and processing (crushing and screening) activities undertaken at the project site. The report notes that a number of mitigation measures are currently implemented onsite by Holcim to control dust emissions but recommends a number of additional measures to further reduce the potential for dust nuisance effects in the surrounding community.

This report does not extend to consider the now proposed works to the North Face and South Face as part of this RMA process. The report does however provide a good understanding of effects of the general quarrying activity on the site and presents a range of mitigation options. The report concludes that the quarry activity can be appropriately mitigated such that any adverse effects from dust nuisance on the surrounding area would be no more than minor.

## 5.6 Ecology

Even though there was ecological input into the Alternatives Assessment it was determined that there needed to be a full baseline assessment of existing ecology for the southern face. To this end Wildlands Consultants were asked to prepare an Assessment of Ecological Effects<sup>21</sup>.

The study concluded that the site contains two types of indigenous forest that represent the main vegetation values of the site. The forest vegetation is significant (according to the criteria in the Greater Wellington Regional Policy Statement) because it provides locally important seasonal habitat for indigenous forest birds. The ngaio-māhoe-māpou forest is also significant because it better represents the likely pre-human vegetation of the site, has moderately high plant species diversity, and provides habitat for locally uncommon plant species. Other habitats may be significant depending on their

<sup>20</sup> Kiwi Point Quarry Air Quality Assessment MWH (now Stantec) July 2016

<sup>21</sup> Assessment of Ecological Effects for Proposed expansion of the Kiwi Point Quarry – Wildlands July 2017



significance for indigenous lizards and fish. Surveys for these fauna will be undertaken during the summer months.

The recommended option for mitigation is to revegetate the area adjacent to the proposed expansion area. This area has potential for mitigation for any adverse effects on or loss of mahoe-dominant forest. A viable alternative area is to be chosen for mitigation for loss of ngaio-mahoe-mapou forest. This area is Council land. Part of the District Plan Change process should be to commit to reclassification of these areas as reserves under the Reserves Act 1977 to be contiguous with Tyers Stream and Maldive Street Reserve. Planting of this area would start as soon as reserve status is given.

These areas are shown below:-

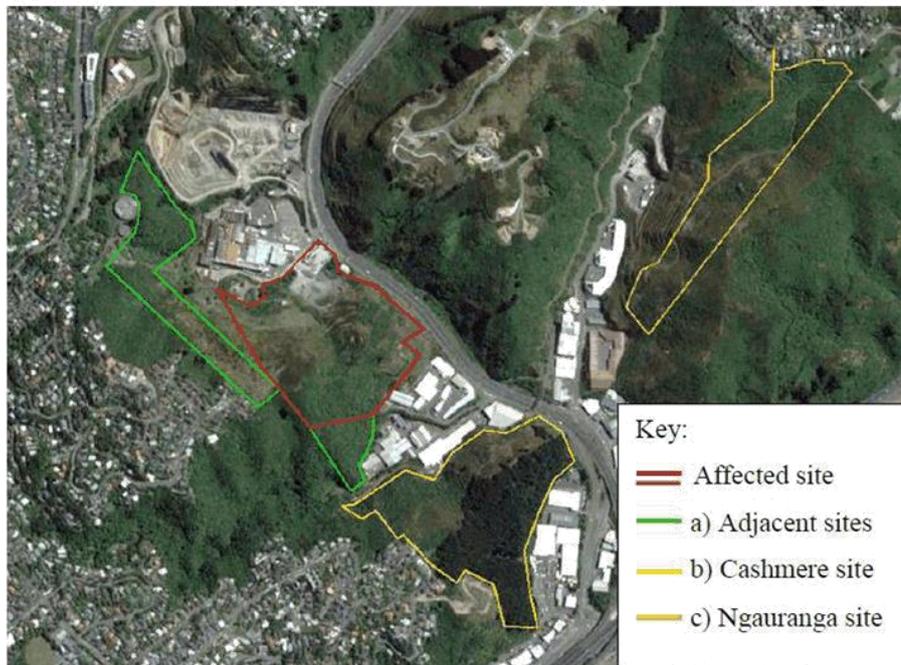


Figure 4: Potential local sites for which mitigation options could be considered.

The Wildlands report<sup>22</sup> also considered the relative benefits and disadvantages of the sites proposed for ecological offset and mitigation should quarrying proceed.

<sup>22</sup> At pages 18 and 19.



Table 5: Attributes of the suggested mitigation sites in relation to the areas to be affected.

Factors Compared to Areas to be Affected	Potential Mitigation Sites		
	a) Adjacent Sites	b) Cashmere (b)	c) Ngauranga
Size	Twice as large	3.5 times larger	2.5 times larger
WCC owned?	Yes	No	Yes
Similar landform?	Partly	Yes	No
Similar aspects?	Partly	Fully	Partly
Indigenous forest cover?	c.50% of area	c.10% of area	c.50% of area
Similar vegetation?	Partly	Partly	Partly
Similar elevation?	More at higher elevation, less at lower elevation.	More at lower elevation, less at higher elevation.	Mostly higher elevation.
<b>Other factors</b>			

Factors Compared to Areas to be Affected	Potential Mitigation Sites		
	a) Adjacent Sites	b) Cashmere (b)	c) Ngauranga
Opportunity for landscape mitigation?	Moderate, local mitigation	Significant if pines replaced with indigenous forest.	Limited as mostly on a successional trajectory to full indigenous dominance.
Additionality	Moderate	Strong if pines are replaced.	Limited as mostly on a successional trajectory to full indigenous dominance.

## 5.7 Landscape

Visual representations<sup>23</sup> of the expanded south face options were prepared by Isthmus to support the public consultation carried out (section 8). This encompassed 5 views of the site with representations to show:-

- The unmitigated cut face;
- The cut face one year after the commencement of site rehabilitation; and
- The mitigated cut face 15 to 20 years following the cessation of quarrying.

Landscape advice was also given at the alternative assessment stage (see section 6).

<sup>23</sup> <https://wellington.govt.nz/~media/have-your-say/public-input/files/consultations/2017/09/kiwi-point-quarry/visuals-medium-and-maximum-development.pdf?la=en>



As part of the consultation process feedback was also sought on potential options to screening quarry activities from SH1 motorists and passengers.

## **5.8 Report Assessment Summary**

The above reports provide useful background information to support the RMA process. In particular, the CBRE Indicative Value Report and the Spire Consulting reports (Aggregate Demand and Indicative Model) support the business case for the Project. The other reports consider the effects of quarrying. These reports in part further support this s32 analysis report as required through the RMA process.



## 6. Kiwi Point Quarry Options

In considering the context of the north face of Kiwi Point Quarry nearing completion and the advice that the southern area allocated under the District Plan provisions was inadequate and impractical, consideration of further quarrying possibilities was carried out. Incite was approached by WCC in 2015 to advise on the planning implications of a possible extension and to lead a process of consideration of alternatives. In addition to considering Kiwi Point Quarry, WCC also commissioned the Regional Demand Forecasts for Aggregates in Wellington report from Spire Consulting referred to above.

### 6.1 Project Objectives

At the outset of the study Project Objectives for RMA purposes were developed. The Project Objectives are:

1. *To enable extraction activity in a cost efficient manner to assist in meeting future regional aggregate demand;*
2. *To plan and co-ordinate effective rehabilitation of the site post-quarry activity to enable viable long-term land use options;*
3. *To manage the immediate and long-term cultural, social, land use and other environmental impacts of the Project by so far as practicable avoiding, remedying or mitigating any such effects;*
4. *To minimise landscape impacts as far as practicable, recognising landscape values in the context of the gateway experience.*

### 6.2 Workshop Process

An assessment of alternative options for site development was undertaken through a workshop process. The purpose of the workshop was to review the analysis of alternative options carried out to date, identify any additional viable options and to then assess the identified range of alternative options within an RMA framework. The following represents a summary of the full workshop report<sup>24</sup> that included assessments from the following disciplines:-

- Water Quality
- Air Quality/Wind

<sup>24</sup> Incite - Kiwi Point Quarry Expansion Alternatives Workshop Report 16 December 2016



- Landscape and Visual Effects
- Geotechnical Matters
- Quarry Operations
- Terrestrial Ecology

Following completion of the workshop, information was consolidated to review specialist scoring and assessments, apply sensitivity testing and assess each of the identified options against the Project Objectives. Specialists were tasked with assessing each of the short list options when compared to the existing site characteristics, with Option 1 Do Nothing (forming as the existing site) assigned a value of 0. A summation of the existing site characteristics is provided in Table 5.1 below.

**Table 1:** Existing site characteristics relative to each specialist area

Specialist Area	Existing Site Characteristics
<b>Quarry Operations</b>	Quarry resources to be exhausted after 4 years. Quarry activities must be undertaken in accordance with the current Quarry Management Plan.
<b>Geo-technical</b>	Considerable geotechnical risks. Existing natural slopes rise very steeply - exhibits evidence of previous slope failures and includes overhangs. No rockfall protection measures currently installed. Risk to both SH1 and Tyers Road Business Park. Increased risk during earthquake events.
<b>Landscape</b>	Area important as part of the “gateway experience” for Wellington City. Rugged, strong topography with urban wilderness characteristics (including regenerating vegetation). Distinct spatial qualities, sense of enclosure, steep descent and dramatic emergence out to the harbor and city; contributing to the City sense of place. Recognisable elements, including the spur, forming part of the viewshaft /western skyline. High visibility to SH1 but relatively limited views of the existing quarry and short list option final quarry face from existing residential areas.
<b>Terrestrial Ecology</b>	Area of contiguous regenerating indigenous coastal forest from Tyers Stream Reserve, covering the southern faces on Tyers Road through to the end of the ridgeline leading down towards SH1 - extends to include part of the South Face area. Limited forest type remaining within Wellington. Range of avifauna detected within area - species with threat classification or locally significant. Suspected lizard species to include national threat status, regionally threatened or locally significant. Gradual rehabilitation of this area will have a positive effect on the terrestrial ecology.



Specialist Area	Existing Site Characteristics
<b>Air Quality</b>	<p>All existing extraction, processing and associated activities undertaken at the quarry (and therefore the potential for adverse air quality effects generated by quarry activity) will cease in three to four years.</p> <p>Existing quarry activity likely to result in only slight adverse air quality effects in the local community. Unlikely that the Ministry for the Environment’s 24-hour mean trigger value for dust nuisance or the National Environmental Standard for particles less than 10 microns in diameter (PM<sub>10</sub>) would be exceeded beyond the site or at any sensitive receptor locations.</p> <p>Mitigation measures are in place to minimise air quality effects from quarry operations.</p>
<b>Water Quality</b>	<p>Urbanisation of the catchment throughout Khandallah, Johnsonville and Newlands as well as construction of the SH1 motorway through Ngauranga Gorge have resulted in widespread loss of aquatic habitat and reduced ecological function of Ngauranga Stream (loss of natural flow regime, loss of connection to its floodplain, loss of connectivity to groundwater, barriers to fish migrations, loss of riparian vegetation).</p> <p>Ecological value of Ngauranga Stream is assessed as low, except within parts of the Tyers Stream tributary which have retained moderate to high ecological values.</p> <p>Status quo; continuation of the existing (northern) quarry face until the rock resource is exhausted, estimated to be in 3 to 4 years:</p> <ol style="list-style-type: none"> <li>1. Water is taken from the Ngauranga stream at one location at a rate of up to 55 m<sup>3</sup>/day.</li> <li>2. There are very few discharges of stormwater or process water to the stream because excess water is stored in the pit and later recycled.</li> <li>3. All wet weather discharges to the stream are treated and are required to contain total suspended solid concentration of &lt;120 g/m<sup>3</sup>.</li> </ol>

Four options were developed as short list options to be assessed as part of the alternatives workshop process. A key assumption for all options is that the site will be rehabilitated following the completion of quarry activity in the respective areas.

- **Option 1 - Do Nothing**  
This option is to cease quarry activity in the South Face area. This option forms as the baseline option against which all other options will be assessed.
- **Option 2 - Permitted Activity Development**  
This option is to develop the quarry as provided for as a permitted activity under the current District Plan framework within the Business 2 Area to the south of the site access road.
- **Option 3 - Five Stage Development/Medium Expansion**  
The option extends into an Open Space B zone to incorporate a series of benches to the 190m contour of the hillside peak. The option provides for an approximate 100m buffer between the



- maximum extent of the quarry activity and the closest residential site boundary in Gurkha Crescent.
- **Option 4 - Maximum Expansion**  
This option further extends into an Open Space B zone to maximise the western expansion to the boundary of the quarry site. The option provides for an approximate 70m buffer between the maximum extent of the quarry activity and the closest residential site boundary in Gurkha Crescent.

Spatially these options can be shown as follows:

**Option 1 - Do Nothing**

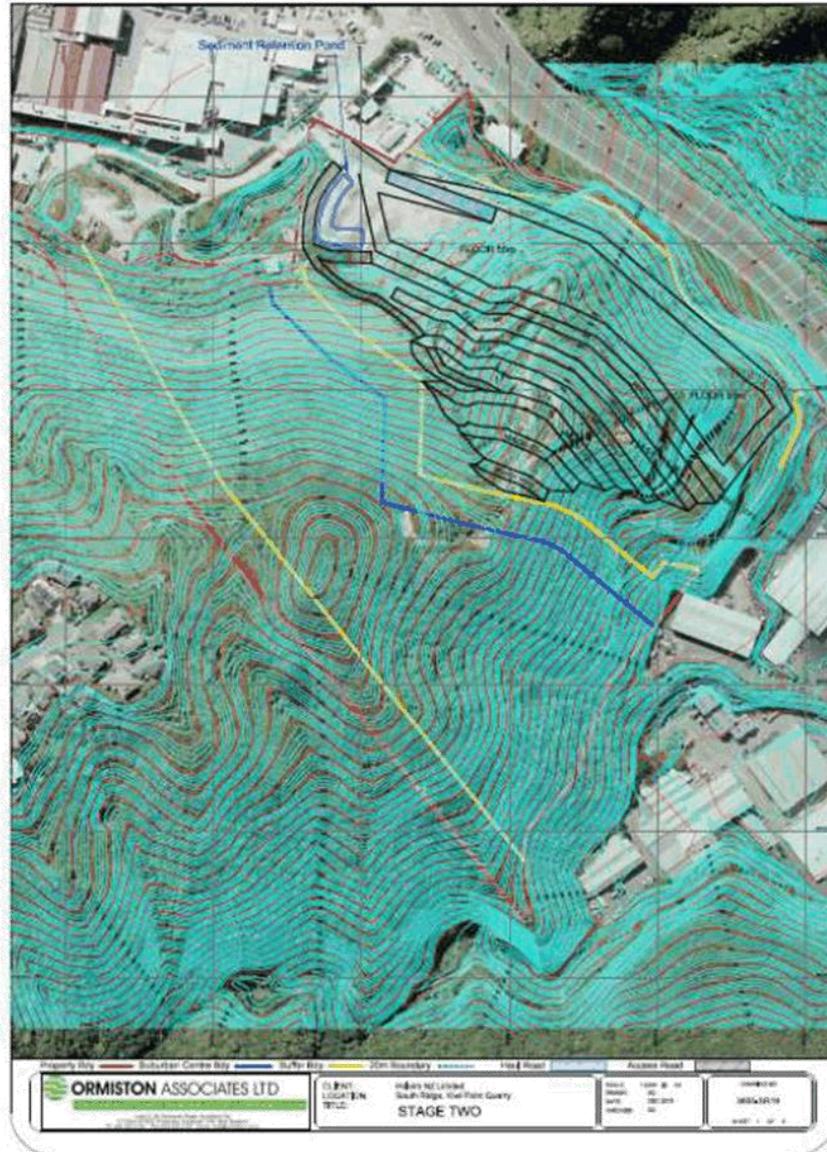


Image source: WCC Webmap

**Figure 4: Existing Situation**



**Option 2 - Permitted Activity Development**



*Image source: Ormiston Associates Ltd*

**Figure 5: Permitted Activity Quarrying of the southern face**



Option 3 - Five-Stage Development

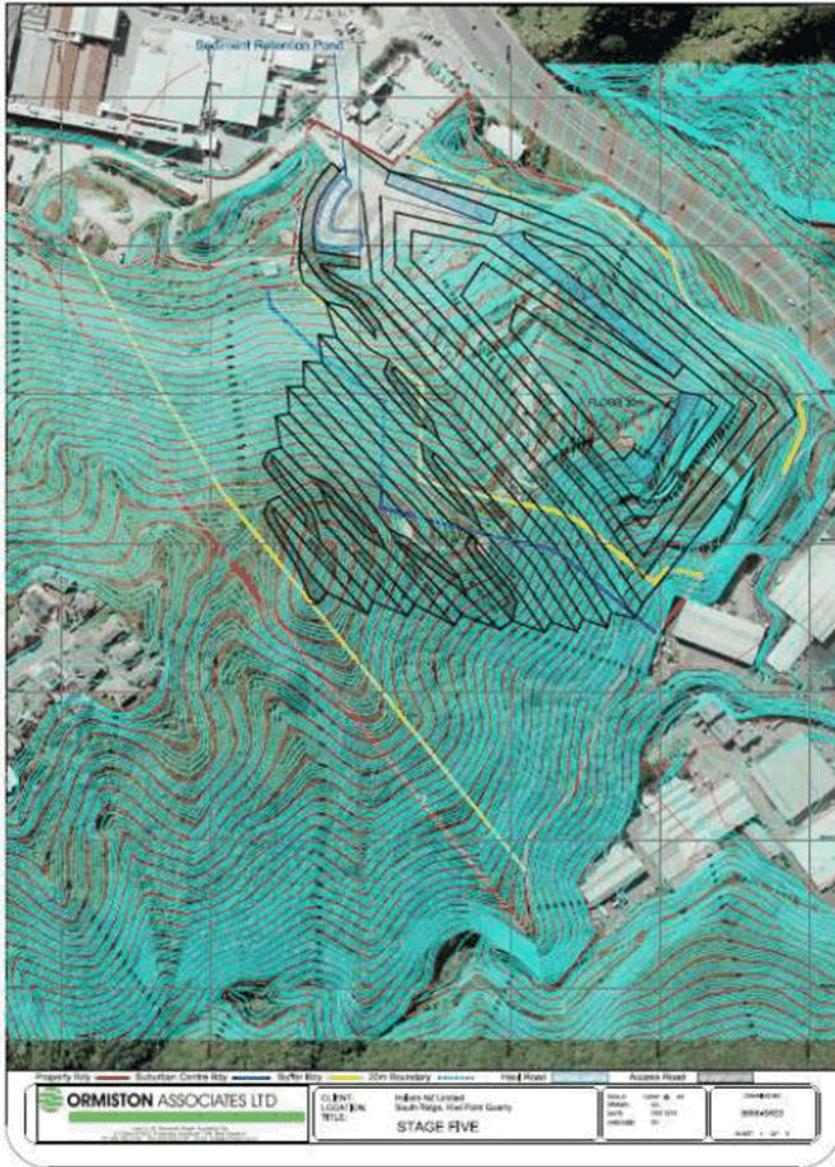
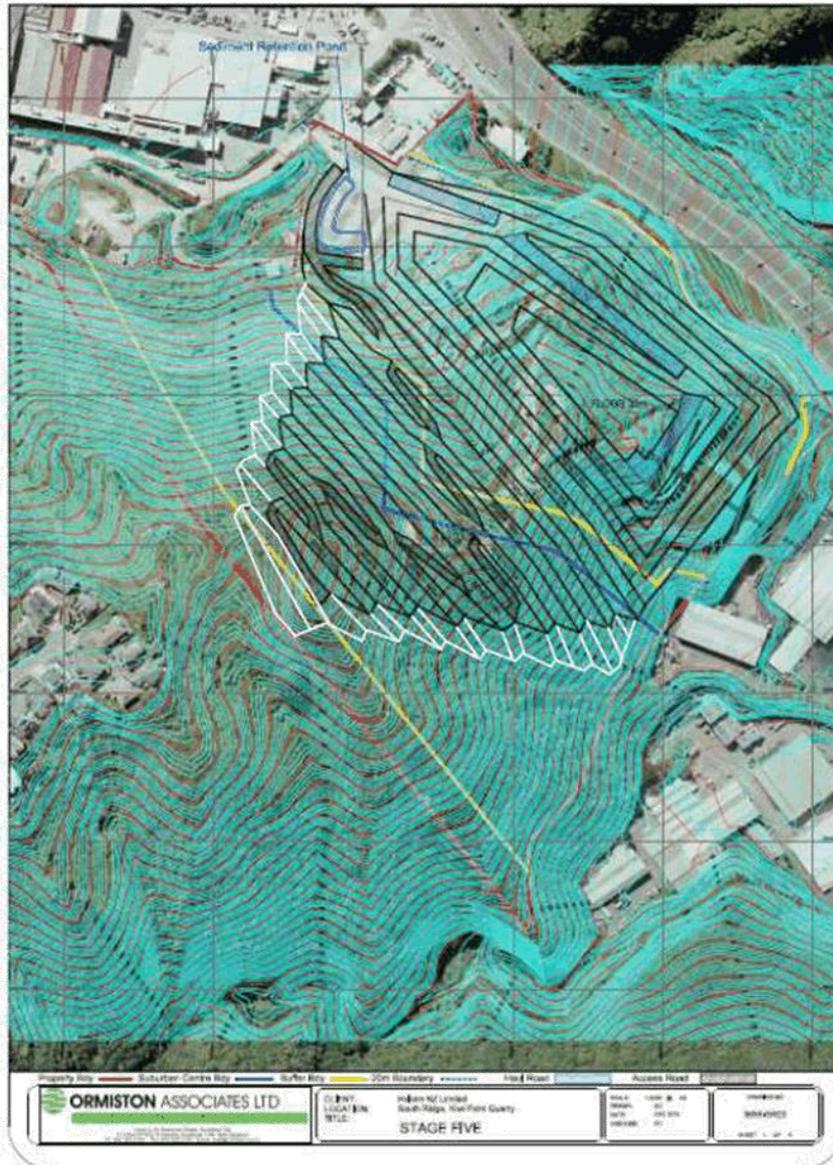


Image Source: Ormiston Associates Ltd

Figure 6: Five Stage Development/Medium Expansion



**Option 4 - Area 2B Maximum Expansion**



*Base Image Source: Ormiston Associates Ltd*

**Figure 7: Maximum Expansion**



## 7. Assessments against Objectives

Following completion of the Specialist Workshop the Core Project Team finalised assessment of each of the options against the Project Objectives. The following presents results and discussion from the objectives assessment process. Similar to the specialist assessment process, each of the options were assigned an individual score based on a 7 point scale. All objectives are of equal value with no weighting applied.

### 7.1 Objective 1: Extraction

Objective 1 reads as follows:

1. To enable extraction activity in a cost efficient manner to assist in meeting future regional aggregate demand

Table 7.1 sets out scoring and ranking of each option against Objective 1. Scores were based on the specialist report for quarry operations.

*Table 7.1: Assessment of options against Objective 1: Extraction*

Development Option	Score	Score Rank
<b>Option 1:</b> Do Nothing	-3.0	4
<b>Option 2:</b> Permitted Development	-1.0	3
<b>Option 3:</b> Five Stage Development/Medium Expansion	2.0	2
<b>Option 4:</b> Maximum Expansion	3.0	1

### 7.2 Objective 2: Rehabilitation

Objective 2 concerns rehabilitation of the site post-quarry activity and reads as follows:

2. To plan and co-ordinate effective rehabilitation of the site post-quarry activity to enable viable long-term land use options

Table 7.2 sets out scoring and ranking of each option against Objective 2. Scores were based on workshop discussions in which participants concluded that the key determinant in assessing options relative to Objective 2 should be the area of land available to future land uses. On that basis, Option 4 ranks highest, providing for the largest area of formed platform at the base of the quarry batters.

*Table 7.2: Assessment of options against Objective 2: Rehabilitation*

Development Option	Score	Score Rank
<b>Option 1:</b> Do Nothing	0	4
<b>Option 2:</b> Permitted Development	1.0	3
<b>Option 3:</b> Five Stage Development/Medium Expansion	2.0	2
<b>Option 4:</b> Maximum Expansion	3.0	1



### 7.3 Objective 3: Effects

Objective 3 relates to adverse effects and reads as follows:

3. To manage the immediate and long-term cultural, social, land use and other environmental impacts of the Project by so far as practicable avoiding, remedying or mitigating any such effects.

Table 7.3 presents scoring and ranking of each option against Objective 3. Raw scores were first assigned based on aggregate weighted scores (workshop weighted scenario) for specialist areas excluding quarry operations. Scores were then adjusted relative to the 7 point scale on the basis of the following conversion:

Aggregate Weighted Score Range	Adjusted Score
4.1 or greater	+3 - Significant positive
2.1 to 4.0	+2 - Moderate positive
0.1 to 2.0	+1 - Minor positive
0	0 - Neutral or <i>de minimus</i>
-0.1 to -2.0	-1 - Minor negative
-2.1 to -4.0	-2 - Moderate negative
-4.1 or less	-3 - Significant negative
F	F – Fatal Flaw

**Table 7.3: Assessment of options against Objective 3: Effects**

Development Option	Aggregate Weighted Score	Adjusted Score	Adjusted Score Rank
<b>Option 1:</b> Do Nothing	0	0	1
<b>Option 2:</b> Permitted Development	-2.0	-1	2
<b>Option 3:</b> Five Stage Development/Medium Expansion	-4.0	-2	3
<b>Option 4:</b> Maximum Expansion	-4.3	-3	4

### 7.4 Objective 4: Landscape

Objective 4 concerns landscape values and reads as follows:

4. To minimise landscape impacts as far as practicable, recognising landscape values in the context of the gateway experience.

Table 7.4 presents scoring and ranking of each option against Objective 4. It was agreed at the workshop that specialist landscape scores should be directly applied to each option.

**Table 7.4: Assessment of options against Objective 4: Landscape**

Development Option	Raw Score	Raw Score Rank
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Development Option	Raw Score	Raw Score Rank
<b>Option 1:</b> Do Nothing	0	1
<b>Option 2:</b> Permitted Development	-2.0	2
<b>Option 3:</b> Five Stage Development/Medium Expansion	-3.0	3
<b>Option 4:</b> Maximum Expansion	-3.0	3

### 7.5 Objective Assessment Rankings

Table 7.5 presents overall rankings for each option when assessed against the combined Project Objectives. Option 4 ranks highest at 0 followed by Option 3 at -1.0. Options 1 and 2 both rank lowest, scoring -3.0.

Table 7.5: Combined scoring and ranking of options against objectives

Development Option	Objective 1: Extraction	Objective 2: Rehabilitation	Objective 3: Effects	Objective 4: Landscape	Total	Rank
<b>Option 1:</b> Do Nothing	-3.0	0	0	0	<b>-3.0</b>	<b>3</b>
<b>Option 2:</b> Permitted Development	-1.0	1.0	-1.0	-2.0	<b>-3.0</b>	<b>3</b>
<b>Option 3:</b> Five Stage Development/Medium Expansion	2.0	2.0	-2.0	-3.0	<b>-1.0</b>	<b>2</b>
<b>Option 4:</b> Maximum Expansion	3.0	3.0	-3.0	-3.0	<b>0.0</b>	<b>1</b>

### 7.6 Summary of Alternatives Process Findings

Results were assessed to identify the best performing option relative to aggregated raw and weighted specialist score scenarios as well as against the Project Objectives.

Option 4 (Maximum Expansion) ranked first and Option 3 (Five Stage Development) ranked second when assessed against nearly all combined specialist score weighting scenarios and the combined Project Objectives (both options rank first equal under aggregate specialist raw scores). Option 1 (Do Nothing) and Option 2 (Permitted Activity Development) rank equal last when assessed against the combined Project Objectives. Option 2 ranks third and Option 1 ranks fourth when assessed against specialist aggregate raw and weighted scenarios (except for weighted scenarios where landscape and ecology is elevated to 10, resulting in Option 1 scoring slightly higher than Option 2, and reduced quarry operations weighting scenarios).

There is a clear separation between Options 1 and 2 when compared to Options 3 and 4. Options 1 and 2 fail to achieve the fundamental objective of providing for aggregate to meet demand (in a cost



efficient manner, as is the case with Option 2). Options 3 and 4 present viable options from a quarry operations perspective but would have adverse environmental effects ranging from minor through to significant (although Option 2 would also have moderate adverse environmental effects).

The key impacts of the expansion options (Options 2, 3 and 4) relate to landscape, visual amenity and ecology effects, with key features being the gorge landscape and regenerating vegetation. None of the key features are identified as outstanding or significant within the current plan framework (i.e., outstanding natural features and landscapes or as areas of significant indigenous vegetation and significant habitats of indigenous fauna in accordance with section 6 matters of national importance). None of the expansion options were fatally flawed under specialist assessments. The effects of the expansion options are not considered to be detrimental to the point that they should not be considered further. Option 1 Do Nothing is not the only viable option under the RMA framework.

In summary, key considerations for each option are as follows:

- **Option 1 - Do Nothing:**  
Does not contribute to meeting aggregate demand and will require the development of an alternative quarry site or sourcing from a more distant location. Retains valued existing site characteristics (landscape and ecology) - these characteristics are not matters of national importance.
- **Option 2 - Permitted Activity Development:**  
Not financially viable.
- **Option 3 - Five Stage Development/Medium Expansion:**  
Provides for aggregate demand and future land use options. Moderate to significant adverse ecology and landscape effects.
- **Option 4 - Maximum Expansion:**  
Provides for the highest amount of aggregate demand and land available for future land use options. Moderate to significant adverse ecology and landscape effects similar to those under Option 3.

Overall, in the context of the RMA framework, Option 4 was identified as the preferred option to be taken forward for public consultation.



## 8. Site Specific Resource Management Issues

The alternatives assessment which was undertaken provided a basis for the understanding of effects from the quarry expansion. An overview of the key effects considerations is summarised below.

### 8.1 Quarry Operations

Assessment of each of the options under consideration of quarry operations was based on the overall ability of the quarry to operate as a viable entity. The assessment extended to include consideration of (but not limited to);

- Aggregate yield
- Cost of removing overburden versus the recoverable rock
- Life of resource versus predicted sales
- Operational logistics (i.e. location of overburden placement and aggregate washing).

In considering a plan change the practicality and workability of plan provisions need to be considered.

### 8.2 Residential Amenity

With a potential rezoning from Open Space B to Business 2 quarrying operations would be closer (within some 70 metres) of the closest residential properties in Gurkha Crescent. The effects upon these properties of noise, dust, proximity for the occasional blasting, quarry vehicle movements all need to be considered through permitted activity standards and conditions attached to them. In addition there are a significant number of residential properties that can see the wider quarry area but are not in such close proximity.

### 8.3 Landscape

The Ngauranga Gorge area is important as part of the Wellington City "Gateway Experience". The site features recognisable landscape elements, including the South Face spur, forming part of the viewshaft/western skyline. The South Face area also contributes to the sense of enclosure associated with the gorge landscape. The site is highly visible from SH1. In general, direct views from residential areas of the existing quarry (as well as the final quarry face of the expansion options) are limited.

There will be landscape effects from cuts. Effects can be softened to an extent through site rehabilitation (including planting). It should be noted that the current District Plan provisions provide for quarry activity in the Business 2 zone South Face area (with associated cuts and site rehabilitation in accordance with the Quarry Management Plan) as a permitted activity.

### 8.4 Ecology

Tyers Stream Reserve adjoins the southern boundary of the site. The reserve features regenerating indigenous coastal forest and is noted by Council officers as an area of ecological value with limited remaining examples in the Wellington Region. The stand of regenerating forest extends to include part of South Face area on the Quarry site.



Gradual rehabilitation of the South Face area under Option 1: Do Nothing would have a positive effect on ecology. The expansion options would have some ecological effects through loss of habitat. Effects can be reduced based on best practice off-site mitigation, however the potential for onsite mitigation is limited due to challenging environmental conditions.

## 8.5 Geotechnical

There is considerable geotechnical risk with the existing site:

- Steep natural slopes – evidence of previous slope failures.
- No rockfall protection measures installed.
- Risk to both SH1 and Tyers Road Business Park.
- Increased risk during earthquake events.

Expansion options provide for significant resilience improvements. In particular, potential risk to SH1 from slope failure/rockfall in the South Face area could be mitigated by engineered design solutions (batter slope angles, rockfall protection measures).

## 8.6 Air quality

Mitigation measures are in place to minimise air quality effects from existing quarry operations. Air quality effects for expansion options would essentially be no different to the existing quarry – slight adverse air quality effects with mitigation measures in place.

In the short to medium term, any air quality effects associated with the expansion options would be able to be managed on site to comply with acceptable standards. In the long term, any air quality effects will cease once quarry activity ends and the site is rehabilitated.

## 8.7 Water Quality

Urbanisation of the catchment area (Khandallah, Johnsonville and Newlands) and the formation of SH1 has resulted in the loss of aquatic habitat and reduced ecological function of Ngauranga Stream. The ecological value of Ngauranga Stream (running through the site) is assessed as low, except within parts of Tyers Stream tributary which retain moderate to high ecological values.

Some minor temporary water quality effects would occur with the expansion options. All effects are able to be reversed long-term through site rehabilitation post quarry activity.

## 8.8 Economic Benefits

By extending the life of the quarry, the net estimated financial benefit to the city and community is \$65.3 million<sup>25</sup>, not including the broader direct benefits to the local private construction industry as a direct result of reduced costs associated with maintaining a local supply. The flat land resulting from

<sup>25</sup> Spire Consulting July 2016.



quarrying will also provide a development opportunity broadly estimated to be circa \$51 million at 2016 prices.

Additionally, the meat processing company Taylor Preston Ltd leases Council-owned land to the south of the existing quarry site (north face), which is also part of the Business 2 area in the District Plan. The company is seeking an extension of its lease to establish a cold-store on the site. The establishment of this and associated facilities will enable Taylor Preston to continue operations in Wellington for many years to come.<sup>26</sup>

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<sup>26</sup> Report to City Strategy Committee 14 September 2017 p209.



## 9. Consultation

### 9.1 Legislative Requirements

Clause 3 of the First Schedule of the RMA specifies the people who must be consulted in the preparation of a plan, including plan changes. The provisions relevant to this plan change are:

#### 3. Consultation

- (1) *During the preparation of a proposed policy statement or plan, the local authority concerned shall consult—*
  - (a) *The Minister for the Environment; and*
  - (b) *Those other Ministers of the Crown who may be affected by the policy statement or plan; and*
  - (c) *Local authorities who may be so affected; and*
  - (d) *The tangata whenua of the area who may be so affected, through iwi authorities.*
- (2) *A local authority may consult anyone else during the preparation of a proposed policy statement or plan.*
- (3) *[not relevant]*
- (4) *In consulting persons for the purposes of subclause (2), a local authority must undertake the consultation in accordance with section 82 of the Local Government Act 2002.*

#### 9.1.1 Statutory Consultation

Statutory consultation is yet to occur. This section of the s32 report will be updated prior to it being finalised.

Prior to a plan change being notified, the Ministry for the Environment, the Port Nicholson Block Settlement Trust, Te Runanga o Toa Rangatira Inc., GWRC and the neighbouring local authorities within the Wellington Region will be consulted. Initial consultation has already occurred with some of these parties.

### 9.2 Consultation with Stakeholders

Wellington City Council undertook targeted (non-statutory) consultation with what were considered to be key stakeholders in September 2017. The stakeholders consulted were:

- Iwi



- Greater Wellington Regional Council including a specific briefing to planning policy and biodiversity staff.
- New Zealand Transport Agency including a specific briefing.
- The Department of Conservation was also contacted with the offer of a briefing.

### 9.3 Public Consultation

Prior to making a decision as to the future of the quarry the Council undertook a period of public engagement. The engagement was undertaken between the 22<sup>nd</sup> of September and the 30<sup>th</sup> of October 2017. The purpose of the public engagement was to:

- Inform people of the options the Council are considering for the future of the quarry, why they are being considered and their potential implications; and
- To obtain stakeholder and public feedback on the proposed options.

A particular attempt was made to engage with residents who live in a close proximity to the quarry and/or who have a view of the quarry and business in close proximity to the Quarry. In total 1028 letters were sent to nearby residents and businesses. This was comprised of 256 households in Johnsonville, 595 households in Broadmeadows, 68 households in Newlands and 109 households in Khandallah.

The letter set out the background of the quarry and communicated to residents that the Council was investigating expanding the quarry. It specifically sought their feedback as nearby residents, provided the link to material on the Council's website and details on how to make a submission.

The public had the opportunity to make a submission on the options, via the Council website or email. Two public open days were held and advertising of the submission period was undertaken via direct engagement with identified stakeholders and wider public advertising, including the use of social media.

In total, 18 people attended the public open days and 69 submissions were received. Submitters were comprised of residents who live on the boundary of and/or can see the quarry, local businesses, users of quarry products and residents from further afield. A high portion of submissions were made by residents near the quarry, and while most submitters were from Wellington City, submissions were also received from people in Lower Hutt, Kāpiti, Napier and Hawkes Bay.

When asked to select their preferred option that 57% of the Submitters support Option 4, however, 22% support the closure or no expansion of the quarry. Planting was the preferred screening option, followed by urban design features such as decorative panels. 23% of respondents did not think screening was important.



## 10. s32 Considerations

The following sections set out in some detail the problem with the Open Space B zoning of the proposed expansion area for Kiwi Point Quarry, which this plan change is directed to address. It is apparent that the existing Open Space B zoning and associated planning framework does not fit the purpose of providing for an extension of the site, although the framework for quarry operations is now well established through the District Plan and under a site and activity specific set of provisions. Some changes to the framework are considered to be required (i.e. the do nothing approach is not appropriate).

There are only two options available to address the most appropriate zoning and associated framework and these have been discussed in detail below. In looking at these zoning options, the specific history, context and characteristics of the site, it has been concluded that a tailored approach would be necessary if a rezoning was ultimately determined to be the "most appropriate". This has been evaluated as follows.

### 10.1 Status Quo - Retain Open Space Zoning

Retaining Open Space Zoning in the specified area would mean that once quarrying of the northern face has been completed, quarry operations at Kiwi Point would either need to close or resource consents to facilitate quarrying as a non-complying activity could be sought. Given that the Open Space objectives and policies are very restrictive and there is potential for adverse effects, it is considered that this is not an option that would be likely to pass the gateway test under s104D of the Resource Management Act 1991 and has not been taken further.

Given the assessment of alternatives the status quo is not recommended. The table below summarises these points.

Benefits	Disadvantages, Costs and Risks	Planning Outcome
<ul style="list-style-type: none"> <li>Requires no direct action on behalf of the Council.</li> <li>Avoids costs and risks associated with a Plan Change</li> <li>No additional effects to adjoining residential property owners.</li> <li>No visual effects beyond that which currently exist</li> <li>Enables planting and landscape enhancements.</li> </ul>	<ul style="list-style-type: none"> <li>Does not provide for a further source of aggregate well located to sources of demand.</li> <li>Does not enable quarrying expansion.</li> <li>Economic costs to Wellington City from having to source aggregate from alternative locations.</li> <li>Loss of opportunity to create further business land.</li> </ul>	<p>The option is not recommended because:</p> <ul style="list-style-type: none"> <li>It does not represent the most appropriate or efficient use of the land.</li> <li>It does not enable a further source of aggregate for the Wellington Region.</li> </ul>



## 10.2 Rezone the land to Business 2

This would mean that the existing enabling provisions of the current District Plan framework for the northern face and the existing zoned portion of the site could be adapted to enable quarrying in the larger south face location. This is the preferred option. The following table considers this further.

Benefits	Disadvantages, Costs and Risks	Planning Outcome
<ul style="list-style-type: none"> <li>Provides for a further source of aggregate well located to sources of demand.</li> <li>Enables quarrying expansion.</li> <li>Provides economic benefits to the Region.</li> <li>Provides an opportunity to create further business land</li> <li>Provides an opportunity for off-site ecological restoration.</li> </ul>	<ul style="list-style-type: none"> <li>Costs and risks associated with a Plan Change.</li> <li>Additional effects to adjoining residential property owners.</li> <li>Visual effects.</li> </ul>	<p>The option is recommended because:</p> <ul style="list-style-type: none"> <li>Provisions can be tailored to address site specific residential amenity and to mitigate and/or offset landscape and ecological effects.</li> <li>It represents the most appropriate or efficient use of the land.</li> <li>It enables a further source of aggregate for the Wellington Region.</li> </ul>

This option is therefore favoured. A proposed plan change to support this option has been developed that:-

- Rezones the land identified in Figure 1 from Open Space B to Business 2;
- Provides an activity specific objective relating to quarrying at Kiwi Point Quarry;
- Includes the existing Policy 33.2.2.7, amends the explanation and references offset planting and ecological restoration;
- Amends the existing Rule 34.1.5 to reference the titles of the expanded area;
- Adds a controlled activity rule so that details contained within a quarry management plan can be assessed including precise locations of the buffer area, slopes, quarrying methodology including phasing and remediation;
- Makes consequential changes to the existing standards.

## 10.3 Site specific resource management issues and objectives to address them

Section 32(3)(a) of the RMA requires local authorities to identify plan change objectives and then to examine whether those objectives are the most appropriate way to achieve the sustainable management purpose of the Act.



Given the high level determination about the appropriate zoning for the site, Council as plan change proponent has consulted with residents and other stakeholders to understand the site qualities. This followed a process that has ultimately determined the provisions that make up the plan change. This has involved:

- Identification of the issues and preparation of expert reports for the Council
- Recognition of these issues in the content and direction of policies and methods of the plan change.

Through this process, few genuine "alternatives" presented themselves and as a result there has been a focus on ensuring the specific resource management issues are thoroughly addressed. These issues are shown in the table below along with objectives developed at the outset of investigations.

<b>Resource Management Issue</b>	<b>Objective</b>
<p><b>Site zoning and planning framework</b></p> <p>The site's zoning does not reflect actual or potential uses for the site and needs to be changed to provide for its efficient use within appropriate environmental parameters. Economic analysis has identified a shortfall of aggregate in the Wellington region. The suitability of the site to provide for quarrying which can help alleviate this shortfall, thereby providing a range of economic benefits (subject to suitable environmental controls).</p>	<p><i>33.2.1 To provide Business Areas that can accommodate a wide range of business and industrial activities to meet the social and economic needs of the City.</i></p> <p><i>33.2.2 To enable an appropriate range of activities to occur in Business Areas, provided they do not undermine the City's Centres, and that adverse effects are avoided, remedied or mitigated.</i></p>
<p><b>Managing impacts on established residential areas</b></p> <p>The site is located in close proximity to established residential properties and owners and occupiers of these properties are entitled to expect a reasonable level of amenity. This is an objective of the District Plan. Quarrying activity and associated traffic can be incompatible with adjacent residential activity if not properly managed.</p>	<p><i>33.2.4 To ensure that activities and developments at least maintain the amenity values and public safety within Business Areas and those of any nearby Residential Areas.</i></p>
<p><b>Context specific, landscape and ecological values</b></p> <p>Landscape and ecological assessments have identified a range of values in the site's wider setting. The planning framework for the Kiwi Point Quarry expansions needs to acknowledge these values and allow for balanced consideration of impacts on these values as quarrying</p>	<p><i>33.2.3 To recognise where unique development opportunity areas exist within Business Areas and encourage redevelopment of these in a manner that is compatible with, and enhances amenity values and contribute to the City's distinctive physical character,</i></p>



proposals come forward. Of particular importance will be managing the visual impacts of development by quarry rehabilitation and offset mitigation.	<i>sense of place and contained urban form.</i>
<p><b>Long term land use once quarrying</b></p> <p>As has been identified in the CBRE report there is a lack of well located business/industrial land in the city. Once quarrying is completed there will be the opportunity for further development.</p>	<p><i>33.2.1 To provide Business Areas that can accommodate a wide range of business and industrial activities to meet the social and economic needs of the City.</i></p>
<p><b>Tangata whenua interests</b></p> <p>Port Nicholson Block Settlement Trust, Wellington Tenths Trust and Ngati Toa Rangatira are Iwi authorities representing tangata whenua interests in Wellington City. Council is required to give effect to the principles of the Treaty of Waitangi and other Iwi resource management practices, including tino rangatiratanga and kaitiakitanga, in the District Plan.</p>	<p><i>20.2.2 To facilitate and enable the exercise of tino rangatiratanga and kaitiakitanga by Wellington's tangata whenua and other Maori (general objective for all zones)</i></p>

**10.4 Assessment of efficiency and effectiveness**

Set out below is an assessment of the efficiency and effectiveness of the methods chosen. This is structured under the project objectives identified at the commencement of the investigations.

<b>To enable extraction activity in a cost efficient manner to assist in meeting future regional aggregate demand</b>
<p><b>Assessment</b> The aggregate demand assessment prepared by Spire and the Indicative Value Impact Report from CBRE identifies significant economic benefits to be derived from development of the land for quarrying and then future industrial/commercial development. Drawing on those assessments a business zoning is most appropriate for the site as without the expansion area the quarry would need to close. A consequence of closure is that aggregate would need to be sourced from alternative locations. The existing policies and other methods identified in the District Plan once adapted are generally fit for purpose to reflect a business zoning which is tailored to the quarrying opportunities and constraints presented by the site. The policies and other methods identified above are regarded as the most appropriate, effective and efficient means of giving effect to Objective 35.2.1 and Objective 35.2.2.</p>
<b>To plan and co-ordinate effective rehabilitation of the site post-quarry activity to enable viable</b>



<b>long-term land use options</b>
<p><b>Assessment</b> The existing policies and other methods identified in the District Plan once adapted are generally fit for purpose to reflect the need to plan for rehabilitation of both the existing north and the proposed south faces. This will generally be enabled through the certification and review of the quarry management plan.</p> <p>In addition offset ecological restoration on alternative sites assists in rehabilitation. The amended policies and other methods identified above are regarded as the most appropriate, effective and efficient means of giving effect to District Plan Objectives 35.2.1 and Objective 35.2.2.</p>
<b>To manage the immediate and long-term cultural, social, land use and other environmental impacts of the Project by so far as practicable avoiding, remedying or mitigating any such effects</b>
<p><b>Assessment</b> Methods for managing adverse effects for the southern face are similar to the manner in which adverse effects are currently managed for the northern face. There are two primary adverse effects potentially with quarrying an expanded quarry face. There are:-</p> <ul style="list-style-type: none"> <li>• Residential amenity effects primarily to the closest residential properties in Gurkha Crescent, Shastri Terrace and Imran Terrace. These are mitigated by site specific management controls through compliance with District Plan standards, the imposition of a minimum 70 metre buffer area, hours of operation controls and effective quarry operations, codified and approved by Council as regulatory authority under a Quarry Management Plan. The effects of noise, dust and general disturbance to adjoining residential properties are therefore considered acceptable.</li> <li>• Ecological effects as with quarrying an extended southern face there will be total loss of existing vegetation and therefore sites of habitat. Effects are mitigated firstly through rehabilitation of cut faces upon completion of quarrying and then secondly by ecological restoration of sites in close proximity through planting.</li> <li>• Other effects such as traffic are no more than minor as there is no intention of altering the existing SH1 left in left out access to the Ngauranga Gorge.</li> </ul> <p>Overall the amended policies and other methods identified above are regarded as the most appropriate, effective and efficient means of giving effect to District Plan Objectives 35.2.4 and Objective 35.2.3.</p>
<b>To minimise landscape impacts as far as practicable, recognising landscape values in the context of the gateway experience.</b>
<p><b>Assessment:</b> Landscape effects of quarrying an extended southern face will be significant as it introduces cut faces upon an area of natural landform. The area is not an outstanding landscape and there has been a long history of quarrying in the Ngauranga Gorge. Mitigation is provided for through effective quarry rehabilitation once cut faces are worked and by ecological restoration of Council owned land in close proximity. With these measures in place it is considered that landscape effects can be managed to an acceptable degree.</p>



## 10.5 s32(2) considerations

A further part of s32 is consideration of the provisions of s32(2). Each of the constituent parts are commented on below the provision.

*An assessment under subsection (1)(b)(ii)<sup>27</sup> must—*

- (a) identify and assess the benefits and costs of the environmental, economic, social, and cultural effects that are anticipated from the implementation of the provisions, including the opportunities for—*

The overall benefits and costs of the environmental, economic, social, and cultural effects that are anticipated from the implementation of the provisions have been fully outlined in this report sections 10.2 and 10.3 above.

- (i) economic growth that are anticipated to be provided or reduced; and*

By providing for continuation of quarrying this will assist with the city and regions economic growth by providing a well located source of aggregate that is currently utilised for a range of purposes. If quarry operations were to cease economic growth would be reduced as alternative sources would need to be found leading to higher costs per cubic metre of material. As has been stated in the Spire report new quarrying locations within the region would at the very least be challenging to find and develop.

- (ii) employment that are anticipated to be provided or reduced; and*

The existing employment at the quarry would be lost if quarrying was to cease. It has been presumed that this can be offset by quarry employment elsewhere.

- (b) if practicable, quantify the benefits and costs referred to in paragraph (a); and*

By extending the life of the quarry, the net estimated financial benefit to the city and community is \$65.3 million, not including the broader direct benefits to the local private construction industry as a direct result of reduced costs associated with maintaining a local supply<sup>28</sup>. The flat land resulting from quarrying will also provide a development opportunity broadly estimated to be circa \$51 million at 2016 prices.

- (c) assess the risk of acting or not acting if there is uncertain or insufficient information about the subject matter of the provisions.*

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<sup>27</sup> Assessing the efficiency and effectiveness of the provisions in achieving the objectives;

<sup>28</sup> Spire Consulting Ltd 2016.



Based on the analysis above that the risks of not acting have been identified. This is primarily around the lack of certainty of supply of quarry aggregate in the future. It is also considered that there is sufficient information about the subject matter of the provisions.



Appendix A

**Alternative Workshop Report and Appendices**



Appendix B

**Wellington City Council Strategy Policy and Regulatory  
Committee Meeting Minutes 15 September 2017**



Appendix C

**Quarry and Land Economics Spreadsheets**

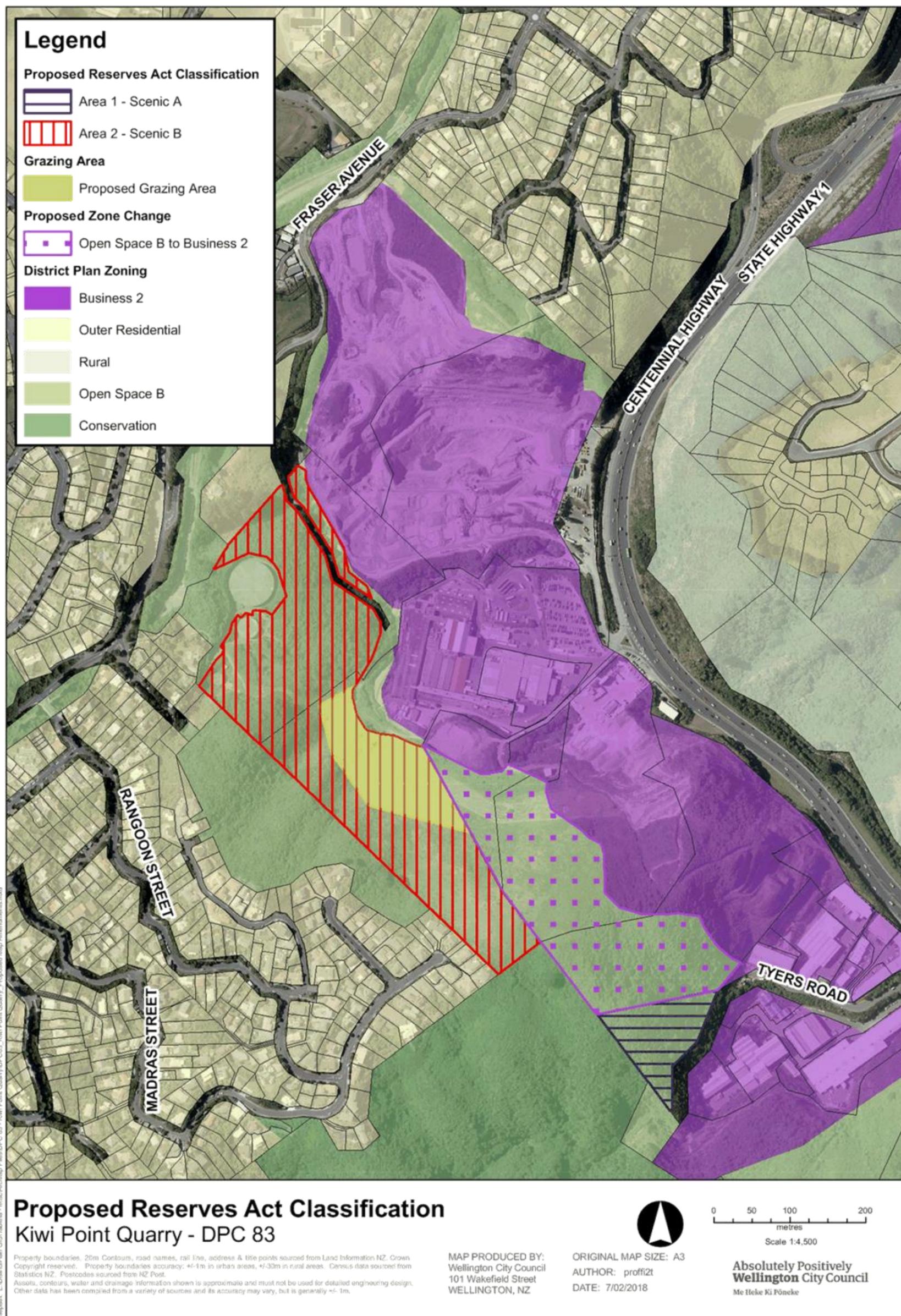


Appendix D  
**Other relevant reports**

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Wellington City District Plan Kiwi Point Quarry  
Section 32 Report









7 February 2018

Wellington City Council  
PO Box 2199  
Wellington 6140

**Attn: Mitch Lewandowski (Principal Advisor Planning)**

Dear Mitch

**Draft District Plan Change 83 – Kiwi Point Quarry**

Thank you for the opportunity to comment at the draft stage of District Plan Change 83 – Kiwi Point Quarry (the Plan Change). The Plan Change would rezone an area of land within Wellington City Council (WCC) ownership adjacent to the existing Kiwi Point Quarry to allow the expansion of and continuation of quarrying in this part of Ngauranga Gorge.

After an initial assessment of the Plan Change at this draft stage, Greater Wellington Regional Council (GWRC) wishes to express conditional support for the Plan Change.

We would however raise concerns regarding a lack of full assessment on the biodiversity significance of the site, and request that further assessments be undertaken to identify adequate mitigation options. In particular, surveys of freshwater fish and reptile fauna need to be completed before the significance of the site can be accurately determined. Although the area is not recognised as a Significant Natural Area, it has been identified as having some significant forest values.

We have assessed the Plan Change against provisions in the Regional Policy Statement for the Wellington region 2013 (RPS), the Regional Land Transport Plan 2015 (RLTP), and the Regional Public Transport Plan 2014 (RPTP).

**Aspects of the Plan Change we particularly note and support are:**

The inclusion of a detailed Quarry Management Plan (34.2.3.3) and ecological restoration plan (34.2.3.4) as part of the controlled activity matters of discretion.

**Aspects of the Plan Change that require further assessment:**

At a regional level, the RPS sets out resource management issues for the region, in line with national legislation and policy. It acknowledges that many indigenous ecosystems in the region are degraded or lost. Particular importance is given to lowland ecosystems, such as the lowland forest that once dominated the region.

GWRC COMMENTS ON DRAFT DISTRICT PLAN CHANGE 83

The Greater Wellington Regional Council promotes Quality for Life by ensuring our environment is protected while meeting the economic, social and cultural needs of the community





### **Summary of anticipated adverse effects on indigenous biodiversity**

WCC has undertaken to identify the potential effects of the plan change on indigenous biodiversity in line with the requirements of the RMA and the RPS in an *Assessment of Ecological Effects* (AEE). This report outlines the significant indigenous biodiversity values of the area, an assessment of ecological significance, measures to avoid or minimise potential adverse effects, and potential mitigation opportunities.

The AEE identifies 3.5ha of “of indigenous forest vegetation and habitat that is locally important for indigenous forest birds, and probably also indigenous lizards” within the footprint of the proposed quarry expansion which will be cleared during quarry development. This includes areas of [ngaio]/māhoe forest and ngaio-māhoe-māpou forest. Both of these indigenous vegetation types are considerably reduced from their previous extent, and the ngaio-māhoe-māpou forest type is likely to be quite scarce in the Wellington Ecological District. Overall, the indigenous forest at the proposed quarry site, in association with the Tyers Stream Reserve, provide a large area of seasonal habitat for indigenous frugivores and permanent habitat for other indigenous bird species. The AEE concludes that the loss of the indigenous forest within the site could result in reductions in the local population sizes of these species.

No Nationally Threatened or At Risk plant species were recorded at the site, but kowhai, of which only one individual was seen, is uncommon in Wellington Ecological District. Indigenous lizards with At Risk-Declining status are likely to be present in habitats within the site, and the tributary of Ngauranga Stream that passes through the more modified part of the site may provide habitat for indigenous fish with At Risk-Declining status.

### **Assessment of ecological significance**

The AEE includes an assessment of ecological significance, using the criteria set out in Policy 23 of the RPS. In summary, the forest vegetation at the site is significant because it provides locally important seasonal habitat for indigenous forest birds. The ngaio-māhoe-māpou forest is also significant because it is representative of the likely pre-human vegetation of the site, has moderately high plant species diversity, and provides habitat for a locally uncommon plant species. The AEE also concludes that other habitats may be significant depending on their significance for indigenous lizards and fish which have currently not been assessed.

### **Assessment of proposed mitigation**

The AEE identifies three options for mitigation of the adverse effects of clearance of the site based on a scenario of full quarry development. These are a) Adjacent sites, b) Cashmere and c) Ngauranga. The AEE specifies that mitigation should be in kind (like for like), on a site with similar environmental gradients, close to the affected area, and with the potential for additional conservation actions over a larger area (ideally at least three times larger) than the affected area.



We agree that the mitigation option selected should meet all the criteria mentioned above. But suggest that the preferred option, a) Adjacent sites, identified in the District Plan Change does not currently meet the requirements for adequate mitigation because:

1. The recommended mitigation option does not currently address the loss of ngaio-māhoe-māpou forest. An alternative site should be identified to address this issue before the Plan Change is notified.
2. The site is only twice as large as the affected area. It should ideally be at least three times larger to adequately address the loss of significant biodiversity.
3. The AEE currently doesn't fully account for birds, reptiles or freshwater fish and as such the significance of the site cannot be fully assessed. Therefore the proposed mitigation options cannot be adequately assessed and may fail to address the loss of additional significant habitats or species. We suggest that a full AEE is needed before a preferred mitigation option is identified.
4. There are currently no details in the AEE on the operational phase and post-operational phase impacts (e.g. if reptile translocations will be required prior to vegetation removal), or details on how the identified mitigation sites would be remediated and monitored. WCC should provide full details of how the preferred mitigation option will address the loss of the identified significant features of the site.

This assessment leads us to the conclusion that significant biodiversity values have not been assessed, and further investigation and assessment of the site is required in order to provide details of an appropriate mitigation option.

Please refer to Attachment 1 for the general assessment of relevant RPS policies and comments. A more detailed and specific assessment will be undertaken once the plan change has become notified.

More than happy to discuss and I look forward to continued engagement on this plan change.

Yours sincerely

A handwritten signature in black ink, appearing to read "M. Hickman".

**Matt Hickman**  
**Manager, Environmental Policy**

**Enclosed:** Attachment 1



### Attachment 1: Overview of relevant documents

#### Regional Policy Statement for the Wellington region 2013 (RPS)

**Objective 1** requires that discharges of odour, smoke and dust to air do not adversely affect amenity values and people's wellbeing. To achieve this, the following policy in the RPS needs to be applied:

- **Policy 1** requires that new land uses and activities, namely quarrying, should be distanced from sensitive activities having regard to the particular location or operational requirements of those land uses and activities.

**Objective 12** requires the quantity and quality of fresh water to meet the range of uses and values for which water is required, to safeguard the life supporting capacity of water bodies, and meet the reasonable foreseeable needs of future generations. To achieve this, the following policies in the RPS need to be applied:

- **Policy 14** requires the minimisation of ecotoxic and other contaminants in stormwater that discharge into water, or onto or into land that may enter water, from new development.
- **Policy 15** is intended to minimise erosion and silt and sedimentation effects associated with earthworks and vegetation clearance.
- **Policy 41** requires that the effects of earthworks and vegetation disturbance be minimised, as this can cumulatively contribute large amounts of silt and sediment to stormwater and waterbodies.
- **Policy 42** requires the minimisation of contamination in stormwater from development, to reduce adverse effects of development on the quantity and quality of stormwater.

**Objective 16** stipulates that areas with significant indigenous biodiversity values be maintained and restored to a healthy functioning state. To achieve this, the following policies in the RPS need to be applied:

- **Policy 47** requires that when considering an application for a plan change, a determination be made as to whether an activity may affect areas with significant indigenous biodiversity values. It also lists matters to take into regard when considering whether an activity is inappropriate. These include: The maintenance of ecological connections; avoiding the incremental loss of indigenous ecosystems; providing habitat for indigenous species; remedying or mitigating the adverse effects on indigenous biodiversity values; and the need



to take a precautionary approach when assessing adverse effects. It specifies that the criteria set out in Policy 23 are to be used to determine significance.

- **Policy 23** provides criteria to identify ecosystems and habitats with significant indigenous biodiversity values. An area must meet one or more of the criteria to be considered significant.
- **Policy 24** of the RPS requires that district plans include policies, rules and methods to protect ecosystems and habitats with significant indigenous biodiversity values from inappropriate subdivision, use and development.

As in all resource management decisions, the protection of indigenous biodiversity must be considered alongside the potential for economic development. This is also recognised in the RPS:

- **Policy 60** requires that the effects on areas with significant indigenous biodiversity values should be considered alongside the social, economic, and environmental benefits from utilising mineral resources within the region

**Objective 19** addresses the risks and consequences to people, communities, their businesses, property and infrastructure from natural hazards and climate change effects are reduced. To achieve this, the following policies in the RPS need to be applied:

- **Policy 29** requires regional and district plans to identify ‘areas at high risk’ from natural hazards, and consider the potential natural hazards events that may affect an area and the vulnerability of existing and/or foreseeable subdivision or development.
- **Policy 51** aims to minimise the risk and consequences of natural hazard events through sound preparation, investigation and planning prior to development. This policy also refers to residual risk, which is the risk that remains after protection works are put in place.

**Objective 20** requires that hazard mitigation measures, structural works and other activities do not increase the risk and consequences of natural hazard events. To achieve this, the following policy in the RPS needs to be applied:

- **Policy 52** promotes the need for non-structural and soft engineering methods as the first option for hazard mitigation, as structural measures or hard engineering can have significant environmental effects.

**Objective 25** requires the concept of kaitiakitanga to be integrated into the sustainable management of the Wellington region’s natural and physical resources. To achieve this, the following policy in the RPS needs to be applied:



- **Policy 49** recognises the importance of the matters of significance to tangta whenua, and requires that as part of a plan change, variation or review, local authorities must recognise and provide for these matters.

**Objective 29** requires that land management practises do not accelerate soil erosion. To achieve this, the following policy in the RPS needs to be considered:

- **Policy 68** requests the minimisation of soil erosion by encouraging sustainable land management practises and taking a ‘whole of catchment’ approach.

**Objective 31** requires that the demand for mineral resources is met from resources located in close proximity to the areas of demand. To achieve this, the following policy in the RPS needs to be considered:

- **Policy 60** directs that particular regard be given to the social, economic and environmental benefits of utilising mineral resources within the region, and that particular regard be given to protecting significant mineral resources from incompatible and inappropriate land use alongside.

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### 3. Operational

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## ORAL HEARINGS FOR ZIPLINE PROPOSAL SOUTHERN LANDFILL

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### Purpose

1. To provide a copy of submissions and a schedule of submitters who are making oral submissions in support of their written submission on the proposed Zipline at the Southern Landfill.

### Summary

2. On the 23<sup>rd</sup> of November 2017 City Strategy Committee agreed to notify an occupancy agreement (lease and licence) for a proposed Zipline to operate on Wellington City Council land.
3. The proposal was publically notified on the 6<sup>th</sup> of December 2017 by way of public notice in the newspaper, letters to nearby residents and interested parties, website notification and a sign on site.
4. A drop-in session for nearby residents and interested parties was held at Council offices on the 18<sup>th</sup> of December between 5 and 7pm to answer questions about the proposal.
5. Notification closed on the 2<sup>nd</sup> February 2018. A total of 17 submissions were received. One additional late submission was received on the 12<sup>th</sup> of February.
6. The submissions and schedule of submitters who will be speaking is attached (Attachment 1).

### Recommendation/s

That the City Strategy Committee:

1. Receive all of the submissions, including the late submission (bringing the total to 18 submissions), and
2. Hear the oral submissions.

### Background

7. Council received a proposal from Wellington Zipline Adventures (WZA) in November 2017 to establish a commercial zipline operation on Wellington City Council Land.
8. The proposed zip line activity site is not a reserve under the Reserves Act 1977 but it is zoned open space. The City Strategy Committee has delegation to consider proposed leases and licences over open space zoned land.
9. On the 23<sup>rd</sup> of November 2017 City Strategy Committee agreed:
  1. *Receives the information.*

2. *Agrees to publicly notify the proposal to grant a new lease and / or licence to Wellington Zipline Adventures (WZA) for a commercial zipline operation on the Southern Landfill (50 Landfill Road, CFR WN21D/612, Lots 1 DP29398 and Lots 1 & 2 DP29742).*

3. *Notes that at the conclusion of the public notification, officers will submit a further report to CSC.*

4. *Notes that any proposed lease or licence will be subject to, among other things, all regulatory consents being obtained.*

10. The land parcel described above is approximately 900 hectares and is undulating hill country located between the suburbs of Brooklyn and Owhiro Bay, the former Long Gully Station, the Karori Sanctuary (Zealandia), and the south coast.
11. The site is held for sanitary works (landfill) purposes but only a small portion is used for this activity. The remainder of the site provides future landfill expansion opportunities, acts as a buffer to the landfill operation, and is administered as a reserve (Te Kopahou) under the Outer Green Belt Management Plan (OGBMP).
12. The directors of WZA have 15 years' experience in the construction and maintenance of high ropes courses and commercial ziplines both locally and abroad.

### **Next Actions**

13. Following the oral hearings, officers will report bck to the committee with a summary and response to submissions received. The Committee will then make a recommendation on the proposal to Council.

### **Attachments**

Schedule of Submitters – under separate cover.

Submission hearings document – under separate cover.

Author	Joel de Boer, Recreation and Parks Planner
Authoriser	Rebecca Ramsay, Reserves Planner Paul Andrews, Manager Parks, Sport and Recreation Barbara McKerrow, Chief Operating Officer

## **SUPPORTING INFORMATION**

### **Engagement and Consultation**

WZA engaged with a number of landowners and interested parties to explain the proposal and gain an understanding of support and issues before submitting their proposal to Council. Public notification occurred twice in the Dominion Post once in early December 2017 and again in late January 2018. On the 5<sup>th</sup> December 2017 letters were sent to landowners identified as potentially impacted and known interested parties. A notice was also installed near the entrance to the site. An information session was held at Council offices on Monday 18<sup>th</sup> December.

### **Treaty of Waitangi considerations**

Officers are seeking feedback from Iwi partners. The activity is not located in a Māori precinct or an area specifically identified as significant to Māori.

### **Financial implications**

This is not a significant financial decision.

The Council, will receive a lease fee proportional to the number of customers using the facility. This will largely be received as contributions towards land conservation in the area.

### **Policy and legislative implications**

The recommendations of this report are consistent with the policies of the Council, specifically those contained within the Outer Green Belt Management Plan.

### **Risks / legal**

The lease, if approved, will be granted in accordance with relevant objectives and policies of the Outer Green Belt Management Plan with guidance from the Leases Policy. Council's lawyers will draft the agreement which will include risk management, compliance and termination clauses.

### **Climate Change impact and considerations**

There are no climate change implications arising from the granting of the lease.

### **Communications Plan**

Submitters will be advised of the outcome of notification, recommendation(s) made by officers and the final decision by City Strategy Committee. The project page relating to this activity on the Council website will be kept updated with next steps and decisions made.

### **Health and Safety Impact considered**

Health and safety considerations are paramount for such an adventure tourism activity. The reputation of both ziplining and New Zealand as an adventure tourism destination is at stake. As such WZA have gone into detail on how they propose to comply with the Health and Safety Act (Adventure Activities) Regulations (2016). Health and Safety plans will be peer reviewed by Council experts.