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Waikato District Council
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Attention: Victoria Majoor

Re: Further Information Request, s92 Response – McPherson Quarry, Mangawhiri

This letter has been prepared in response to a request for additional information prepared by O. May - Boffa Miskell (18 December 2019) and an email from V. Majoor – Waikato District Council, on behalf of the Waikato District Council.

1. Information Request

   - *It is recognised in the MGLA analysis that there is an Identified Significant Natural Feature (SNA) and Schedule 5A Site of Special Wildlife interest at Mt William Walkway within proximity of the proposal. Can it be confirmed what the expected landscape effects are expected to be?*

Response to the above request is as follows:

The following, includes the expected landscape effects on the Significant Natural Area (SNA) and on the Site of Special Wildlife Interest (Schedule 5A):

a. The proposed quarry (3 stage excavation) will modify the existing natural landform including the SNA area along the eastern boundary of proposed stage 1. This will result in the loss of approximately 2.08ha of the SNA. A 10m buffer has been proposed between the SNA boundary and the quarry boundary to ensure all other areas of the SNA and Special Wildlife Interest area have been directly avoided.
b. With the loss of rural land and the increase in exposed land, creating a dominant visual element within the landscape (particularly from VP7), the rural characteristics will change to that of an extractive industry.
c. Due to the scale, shape and appearance (including colouring of exposed land) of the proposed quarry, the landscape (surrounding rural land and vegetation) will be less able to absorb these land use changes.

This is partially addressed in the table, page 10, under paragraph 37, of the original s92 response 'McPherson Quarry, Mangawhiri – Response to the s92 Request for Additional Information (MGLA). It should also be noted that there will be limited viewing opportunities [of the proposed quarry] from the lower part of the Mt. William Walkway (and SNA) due to the dense canopy cover.

The Council email dated 19/12/2019 (V. Majoor) has sought further information around the effects on the Mt. William Walkway, which is identified as an ONF under 5A- #34 of the Franklin section of the District plan and is shown on Map 103a of the (now superseded) Franklin District planning maps.

The ONF identified on the superseded Franklin District planning maps has not been identified in the operative version of the planning maps or in the PDP planning maps. MGLA has georeferenced map 103a into the current GIS data set to show the geophysical extent of the former ONF with the SNA identified in the PDP. This is shown as the purple (scanned) outline) in attached map.

Because the identified ONF is largely contained within the SNA, the effects on landscape and visual amenity will be similar. These are identified within the MGLA s92 response report. Ecological effects on the SNA are addressed in the ecology report.

2. Information Request

- *The Visual Absorption Capability (VAC) was used within the original Opus assessment as a descriptor for visual audiences. This methodology is also included in Appendix Three of the MGLA report. However, VAC does not appear to be used in the MGLA visual assessment. Does the MGLA assessment rely on the Opus VAC descriptions and how has this been considered in the MGLA assessment?*

Response to the above request is as follows:

MGLA have undertaken an independent assessment and have not relied upon the ratings contained within the original LVA (Opus), due to the uncertainty of the methodology. VAC ratings for the identified view locations (MGLA) are as defined in the table below. The overall effects ratings are repeated for ease of correlation. A VAC rating definition table is attached to this response.

No.	Name	VAC Rating	VAC Notes	Effects Rating
VL1	SH2, Southern Palms (Public)	Stg1= *Good* Stg2= *Good* Stg3= *Neutral*	The vegetation (including SNA) and undulating topography within the midground help to screen the proposed stages from view. The western faces of each stage will however still be visible. Due to the direction of works within the quarry, the northern and eastern faces/benches of the quarry will be screened from view. In general, the proposed expansion will be seen in the context of an already existing quarry. Stage 3 will see the biggest loss in rural land (western ridge) from this view location which will decrease the VAC rating.	Stg1= *Very Low* Stg2= *Very Low* Stg3= *Low*
VL2	233 Pinnacle Hill Road (Public)	Stg1= *Very Good* Stg2= *Neutral* Stg3= *Very Good*	The undulating topography within the foreground will partially screen the proposed quarry from view (including from surrounding houses). The ridgeline located within the mid-ground of this view will be removed as a result of stage 2 which will decrease the VAC rating.	Stg1= *Negligible* Stg2= *Low* Stg3= *Negligible*
VL3	93 Irish Road (Public)	Stg1= *Neutral* Stg2= *Good* Stg3= *Very Good*	Due to the ability to view the site (direct views), lack of intervening topography and vegetation, Stage 1 will be clearly visible from this VP.	Stg1= *Low-Moderate* Stg2= *Very Low* Stg3= *Negligible*

			The foreground vegetation, which surrounds neighbouring house affords filtered screening of the overburden disposal area and lower benches of the proposed quarry. The extent of quarry visible from this VP will stay constant throughout all 3 stages due to the ability to see the site and the low elevation of this VP. The SNA and steeply undulating topography within the foreground will screen the majority of views into the quarry (throughout stage 2 and 3).	
VL4	SH2, outside 286 (Public)	Stg1= *Neutral* Stg2= *Neutral-Poor* Stg3= *Good*	Due to the ability to view the site (direct views), lack of intervening topography and vegetation, Stage 1 & 2 and the overburden disposal area will be clearly visible from this VP. The majority of stage 3 will be screened from view by the nature of the design and existing vegetated hillside (SNA). The overburden disposal area will however be progressively shaped to integrate with the surrounding natural landform over the life of the proposed quarry (3 stages). The proposed expansion will be seen in the context of an already existing quarry.	Stg1= *Low-Moderate* Stg2= *Moderate* Stg3= *Low*
VL5	113 Baird Road (Public)	Stg1= *Neutral* Stg2= *Very Good* Stg3= *Good*	The proposed quarry will be visible along Baird Road between existing shelterbelts, specimen trees, beyond dwellings, cultivated land and associated development and pastoral paddocks, which will help partially screen views of the proposal.	Stg1= *Low-Moderate* Stg2= *Low* Stg3= *Low*
VL6	Hitchens Road, Pokeno (Public)	Stg1= *Very Good* Stg2= *Very Good* Stg3= *Good*	All 3 stages of the quarry development will be partially visible at a considerable distance over the undulating terrain and scattered vegetation in the foreground. The proposed overburden disposal area will not be visible from this location due to undulating topography and existing vegetation. The extent of quarry visible will increase with stage 3. This change will,	Stg1= *Very Low* Stg2= *Low* Stg3= *Moderate*

			however, be backdropped by the major skyline ridge beyond the site.	
VL7	Mt. William Summit (Public)	Stg1= *Neutral* Stg2= *Very Good* Stg3= *Poor*	Due to the ability to view the site (direct views from Mt. William), lack of intervening topography and vegetation, all 3 stages will be clearly visible. The percentage of exposed land will significantly increase through all stages. The proposed overburden disposal area will also be partially visible from this location. The lower benches and pit floor will remain screened by the foreground vegetation. Due to the scale, shape and appearance (including colouring of exposed land) of the proposed quarry, the landscape (surrounding rural land and vegetation) will be less able to absorb these land use changes from this VP compared to surrounding VP's.	Stg1= *Low-Moderate* Stg2= *Moderate* Stg3= *High*

3. <u>Information Request</u>

   - *Considering the additional information provided in the landscape character baseline, is the Opus landscape character sensitivity rating of "low" relied upon?*

Response to the above request is as follows:

As identified above, MGLA have not relied upon ratings contained within the original Opus LVA report.

MGLA has evaluated the Landscape Character sensitivity as being *low-moderate*. This rating indicates that, on face value, the landscape is slightly more sensitive to character change than identified in the Opus report.

4. <u>Information Request</u>

   - *Has the Overburden Disposal Area (ODA) been modelled in the Visual Simulation? The ODA is described as partially visible in the assessment but cannot be seen in the Visual Simulation.*

Response to the above request is as follows:

The overburden disposal area (ODA) is not shown in the visual simulation supplied to Council. The layer showing this aspect was accidentally left switched off on the proposed montages. This has been corrected in the attached montages.

It should be noted that the visual simulations represent the end of each stage of extraction (i.e. completed pit and overburden disposal). Because overburden stripping and disposal will occur at the beginning of each stage, the ODA will be at a point where it already has been filled and regressed. During overburden stripping and placement, a small portion of the overburden stockpile area will be exposed to view while

filling occurs. From a distance the overburden disposal area (pre-grassing) will appear like the upper parts of the quarry (or a cultivated field). This effect will be short term, with the overburden progressively grassed after placement.

While the ODA was not shown within the original visual simulation (s92 report - MGLA), the effects and overall findings will not change. The effects of the overburden disposal area along with the effects of the quarry pit was included and taken into consideration in every aspect of the previous report.

5. Information Request

- *Is it concluded that the overall visual effects will be less than minor, as concluded in the Opus assessment? The increased level of effects experienced in the VP4, VP6 and VP7 to moderate and high would suggest that this may have changed. Could MGLA confirm how the additional viewpoints are considered in the round for the overall conclusions?*

Response to the above request is as follows:

As identified in the s92 response, the overall adverse effects ratings will range between *Negligible* and *Low-Moderate* for stage 1, *Very Low* and *Moderate* for stage 2 and *Negligible* and *High* for stage 3. The overall effects therefore range between *Negligible-Very Low* and *High*. While the averaging of overall assessment ratings must be considered with caution (due to the potential for the type and level of effects to differ from location to location), in the round, the overall effect of the proposal on the wider landscape is considered to be *Low -Moderate*. This is equal to the *minor* threshold of the RMA.

While the Opus ratings do not take staging into consideration, when compared to the MGLA ratings for each stage, the Opus rating is generally within the range of the MGLA ratings. No Opus ratings were provided for the Mount Williams Walkway, however it can be assumed that, if assessed, the rating would have also been within the range of the MGLA ratings.

The Opus report does not conclude that the effects will be "…*less than minor*". It concludes "*It is considered that effects overall will be low, with moderate effects for the closest neighbour.* " (P27). The MGLA finding of an overall *Low-Moderate* effect reflects the higher values given to some of the component ratings. While not *less than minor* effects are *no more than minor.*

For any further clarification please contact me.

Yours sincerely,

Dave Mansergh
Dip P&RM(Dist), BLA(Hons), MLA, Registered ANZILA
Director

Attachments:
a. Amended photomontages
b. Map 13 Franklin District ONF and Waikato District SNA Boundary Comparison
c. VAC rating definition table

View Location Data

NZTM Easting:	1779634.4985
NZTM Northing:	5880092.3644
Focal length:	50mm
Photographer:	D.Mansergh
Camera:	Canon EOS D5 Full Frame Digital with EF 50mm F/1.4 USM (Prime)
Date:	23rd October 2019

A 3D digital model of the proposed development was produced and accurately superimposed into each image using a combination of Adobe Photoshop CC 2019, ArcGIS Pro and Vectorworks 2019, in accordance with NZILA best practice guidelines. Panoramic view was merged from 50mm frame images, Photo montaging by MGLA.

Image should be viewed at a distance of 260 mm to approximate actual scale.

Single image frame size

View Location Seven - Existing view looking East from Mt William

McPherson Quarry | Waikato | January 2020 | R2

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*Mitigation planting not shown

View Location Data

NZTM Easting:	1779634.4985
NZTM Northing:	5880092.3644
Focal length:	50mm
Photographer:	D.Mansergh
Camera:	Canon EOS D5 Full Frame Digital with EF 50mm F/1.4 USM (Prime)
Date:	23rd October 2019

A 3D digital model of the proposed development was produced and accurately superimposed into each image using a combination of Adobe Photoshop CC 2019, ArcGIS Pro and Vectorworks 2019, in accordance with NZILA best practice guidelines. Panoramic view was merged from 50mm frame images, Photo montaging by MGLA.

Image should be viewed at a distance of 260 mm to approximate actual scale.

Single image frame size

View Location Seven - Proposed Stage 1 view looking East from Mt William (without Mitigation Planting)

mansergh graham LANDSCAPE ARCHITECTS

*With Ecologiacl and Mitigation planting

View Location Data

NZTM Easting:	1779634.4985
NZTM Northing:	5880092.3644
Focal length:	50mm
Photographer:	D.Mansergh
Camera:	Canon EOS D5 Full Frame Digital with EF 50mm F/1.4 USM (Prime)
Date:	23rd October 2019

A 3D digital model of the proposed development was produced and accurately superimposed into each image using a combination of Adobe Photoshop CC 2019, ArcGIS Pro and Vectorworks 2019, in accordance with NZILA best practice guidelines. Panoramic view was merged from 50mm frame images, Photo montaging by MGLA.

Image should be viewed at a distance of 260 mm to approximate actual scale.

Single image frame size

View Location Seven - Proposed Stage 1 view looking East from Mt William (with Mitigation Planting)

mansergh graham LANDSCAPE ARCHITECTS

*Mitigation planting not shown

View Location Data

NZTM Easting:	1779634.4985
NZTM Northing:	5880092.3644
Focal length:	50mm
Photographer:	D.Mansergh
Camera:	Canon EOS D5 Full Frame Digital with EF 50mm F/1.4 USM (Prime)
Date:	23rd October 2019

A 3D digital model of the proposed development was produced and accurately superimposed into each image using a combination of Adobe Photoshop CC 2019, ArcGIS Pro and Vectorworks 2019, in accordance with NZILA best practice guidelines. Panoramic view was merged from 50mm frame images, Photo montaging by MGLA.

Image should be viewed at a distance of 260 mm to approximate actual scale.

Single image frame size

View Location Seven - Proposed Stage 2 view looking East from Mt William (without Mitigation Planting)

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*With Ecologiacl and Mitigation planting

View Location Data

NZTM Easting:	1779634.4985
NZTM Northing:	5880092.3644
Focal length:	50mm
Photographer:	D.Mansergh
Camera:	Canon EOS D5 Full Frame Digital with EF 50mm F/1.4 USM (Prime)
Date:	23rd October 2019

A 3D digital model of the proposed development was produced and accurately superimposed into each image using a combination of Adobe Photoshop CC 2019, ArcGIS Pro and Vectorworks 2019, in accordance with NZILA best practice guidelines. Panoramic view was merged from 50mm frame images, Photo montaging by MGLA.

Image should be viewed at a distance of 260 mm to approximate actual scale.

Single image frame size

View Location Seven - Proposed Stage 2 view looking East from Mt William (with Mitigation Planting)

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*Mitigation planting not shown

View Location Data

NZTM Easting:	1779634.4985
NZTM Northing:	5880092.3644
Focal length:	50mm
Photographer:	D.Mansergh
Camera:	Canon EOS D5 Full Frame Digital with EF 50mm F/1.4 USM (Prime)
Date:	23rd October 2019

A 3D digital model of the proposed development was produced and accurately superimposed into each image using a combination of Adobe Photoshop CC 2019, ArcGIS Pro and Vectorworks 2019, in accordance with NZILA best practice guidelines. Panoramic view was merged from 50mm frame images, Photo montaging by MGLA.

Image should be viewed at a distance of 260 mm to approximate actual scale.

Single image frame size

View Location Seven - Proposed Stage 3 view looking East from Mt William (without Mitigation Planting)

mansergh graham LANDSCAPE ARCHITECTS

*With Ecologiacl and Mitigation planting

View Location Data

NZTM Easting:	1779634.4985
NZTM Northing:	5880092.3644
Focal length:	50mm
Photographer:	D.Mansergh
Camera:	Canon EOS D5 Full Frame Digital with EF 50mm F/1.4 USM (Prime)
Date:	23rd October 2019

A 3D digital model of the proposed development was produced and accurately superimposed into each image using a combination of Adobe Photoshop CC 2019, ArcGIS Pro and Vectorworks 2019, in accordance with NZILA best practice guidelines. Panoramic view was merged from 50mm frame images, Photo montaging by MGLA.

Image should be viewed at a distance of 260 mm to approximate actual scale.

Single image frame size

View Location Seven - Proposed Stage 3 view looking East from Mt William (with Mitigation Planting)

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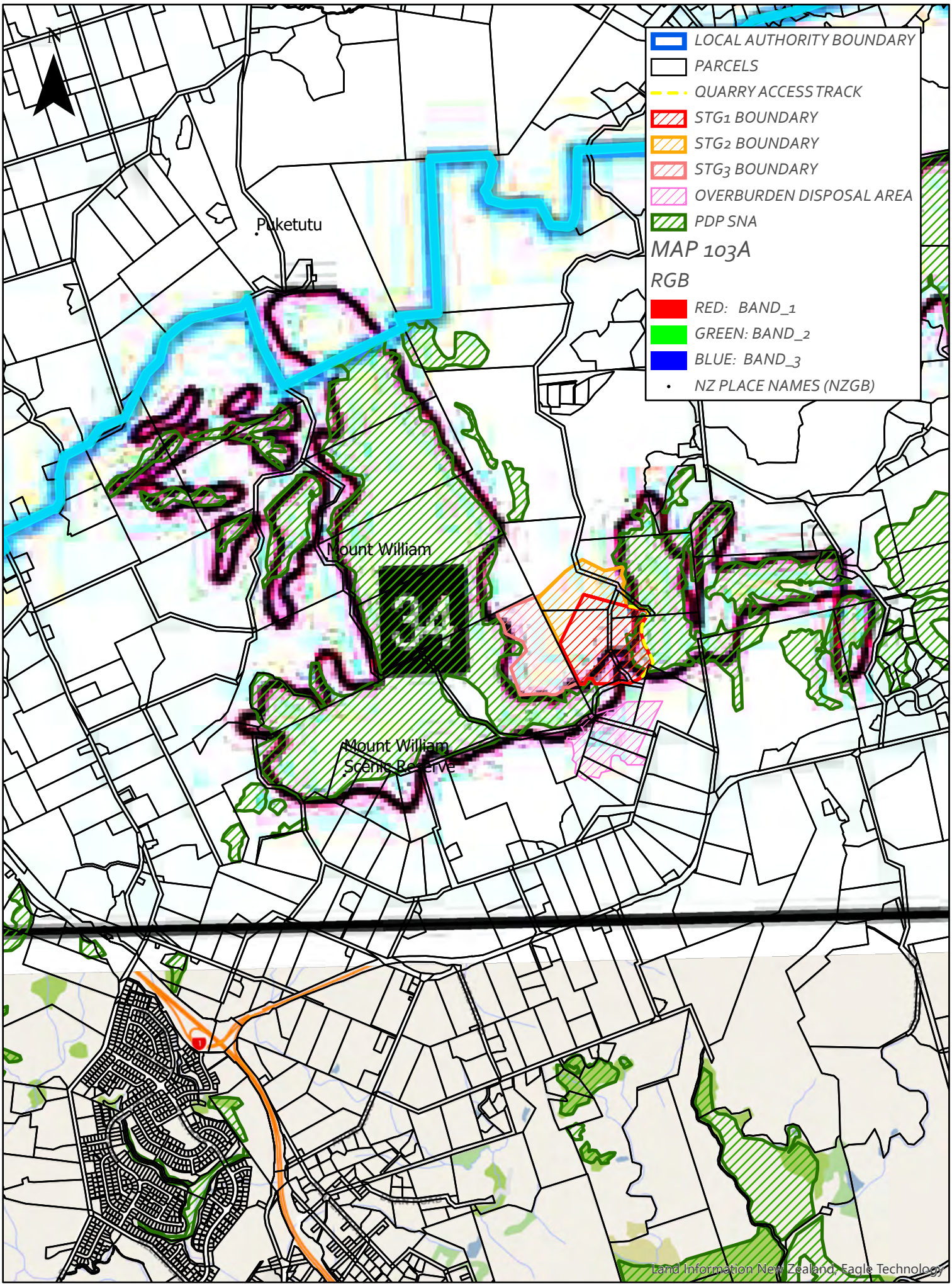

Franklin District ONF and Waikato District SNA Boundary Comparison

McPherson Quarry | Scale 1:25,000 at A4 | January 2020 | Map No-14 | R0

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Visual Absorption Capability Definition Ratings	
VAC Rating	**Use**
Very Good	The proposed development/activity would be completely screened, almost completely screened or completely absorbed by existing landscape features. Any views of the development would be either unidentifiable or at a great distance, and/or; The development/activity would not affect the existing character of the surrounding landscape or view in which it is seen, and/or; The development/activity would introduce a visual element into the landscape or view which may be viewed very frequently or continuously in that or similar landscape types.
Good	The proposed development/activity would be mostly screened or visually absorbed by existing landscape features, but still be identifiable. The development/activity may act as a tertiary focal attraction within the landscape or view in which it is seen, and/or; The development/activity would not affect the existing character of the surrounding landscape or view in which it is seen, and/or; The development/activity may introduce a visual element into the landscape or view which may be viewed frequently in that or similar landscape types.
Neutral	The proposed development/activity would neither be screened nor become a visual intrusion or focal attraction within the landscape or view in which it is seen. The proposed development/activity may act as a minor focal attraction from some locations, and/or; The development/activity would alter the existing character of the surrounding landscape or view in which it is seen, and/or; The development/activity would introduce a visual element into the landscape or view which may be viewed occasionally in that or similar landscape types.
Poor	The proposed development/activity would be clearly visible but would not act as a primary focal attraction, and/or; It would be expected that the proposed development/activity would alter the existing character of the surrounding landscape or view in which it is seen, and/or; The development/activity may introduce a new visual element into the landscape or view. The development/activity may be viewed infrequently in that or similar landscape types.
Very Poor	The proposed development/activity will be highly visible and may act as a primary focal attraction or feature. It would also be expected that the proposed development/activity will significantly alter the existing character of the surrounding landscape or view in which it is seen, and/or; The development/activity will introduce a new visual element into the landscape or view, which will be significantly different in appearance, or scale from the landscape elements surrounding it, and/or; The development/activity would be found very rarely in that or similar landscape types.

Attachment C: Overburden/Brown Rock Volume Calculations

TABLE A – OVERBURDEN/BROWN ROCK CALCULATIONS USING STRIPPING ABOVE RL118*				
	Stage 1 (m3)	Stage 2 (m3)	Stage 3 (m3)	Total (m3)
Total Volume of Design (m3)	10495000	8251000	12124000	**30870000**
Volume above 118RL (Stripping)(m3) (Total A)	2477000	3700000	1853000	**8030000**
Overburden/Brown Rock sales offsite (approx. 80% of max stripping volume)	2006370	2997000	1500930	**6504300**
Overburden disposal onsite (approx. 20% of max overburden)	457452	683316	342212	**1482980**
Volume below 118RL (m3)	**8018000**	**4551000**	**10271000**	**22840000**
TABLE B – OVERBURDEN/BROWN ROCK CALCULATIONS USING AVERAGE STRIPPING DEPTH OF 15M*				
	Stage 1 (m3)	Stage 2 (m3)	Stage 3 (m3)	Total (m3)
Total Volume of Design (m3)	10495000	8251000	12124000	**30870000**
Surface Area**	109332	142590	183010	**434932**
Volume if Calculated as average depth	1639980	2138850	2745150	**6523980**
Overburden/Brown Rock sales offsite (approx. 80% of max stripping volume)	1328384	1732469	2223572	**5284424**
Overburden disposal onsite (approx. 20% of max overburden)	373915	487658	625894	**1487467**
* Design volumes are rounded to the nearest 1000m3. 20% allowance has been made for bulking.				
Overburden Disposal Area Capacity				**1514000**

Attachment D: Visual Absorption Capability Definition Ratings

VISUAL ABSORPTION CAPABILITY DEFINITION RATINGS Visual absorption capability (VAC) is a measure of the sensitivity of the landscape/seascape to integrate a development, or feature into its existing visual character without significant change.	
VAC Rating	**Use**
Very Good	The proposed development/activity would be completely screened, almost completely screened, or completely absorbed by existing landscape features. Any views of the development would be either unidentifiable or at a great distance, and/or; The development/activity would not affect the existing character of the surrounding landscape or view in which it is seen, and/or; The development/activity would introduce a visual element into the landscape or view which may be viewed very frequently or continuously in that or similar landscape types.
Good	The proposed development/activity would be mostly screened or visually absorbed by existing landscape features, but still be identifiable. The development/activity may act as a tertiary focal attraction within the landscape or view in which it is seen, and/or; The development/activity would not affect the existing character of the surrounding landscape or view in which it is seen, and/or; The development/activity may introduce a visual element into the landscape or view which may be viewed frequently in that or similar landscape types.
Neutral	The proposed development/activity would neither be screened nor become a visual intrusion or focal attraction within the landscape or view in which it is seen. The proposed development/activity may act as a minor focal attraction from some locations, and/or; The development/activity would alter the existing character of the surrounding landscape or view in which it is seen, and/or; The development/activity would introduce a visual element into the landscape or view which may be viewed occasionally in that or similar landscape types.
Poor	The proposed development/activity would be clearly visible but would not act as a primary focal attraction, and/or; It would be expected that the proposed development/activity would alter the existing character of the surrounding landscape or view in which it is seen, and/or; The development/activity may introduce a new visual element into the landscape or view. The development/activity may be viewed infrequently in that or similar landscape types.
Very Poor	The proposed development/activity will be highly visible and may act as a primary focal attraction or feature. It would also be expected that the proposed development/activity will significantly alter the existing character of the surrounding landscape or view in which it is seen, and/or; The development/activity will introduce a new visual element into the landscape or view, which will be significantly different in appearance, or scale from the landscape elements surrounding it, and/or; The development/activity would be found very rarely in that or similar landscape types.

Attachment E: Landscape and Visual Amenity Effect - Rating System

LANDSCAPE AND VISUAL AMENITY EFFECT - RATING SYSTEM	
Effects Rating	**Use and Definition**
Extreme	*Use* The development/activity would: a. Result in an extreme change on the characteristics or key attributes of the receiving environment and/or the vista within which it is seen; and/or b. Have an extreme effect on the perceived amenity derived from it. *Oxford English Dictionary Definition* Extreme: adjective 1 utmost. 2 reaching a high or the highest degree.
Very High	*Use* The development/activity would: c. Have a very high level of effect on the character or key attributes of the receiving environment and/or the vista within which it is seen; and/or d. Have a very high-level effect on the perceived amenity derived from it. *Oxford English Dictionary Definition* Very: adverb 1 in a high degree. 2 with superlative or own without qualification: the very best quality. High: adjective 1 extending above the normal level. 2 great in amount, value, size, or intensity. 3 great in rank or status. 4 morally or culturally superior.
High	*Use* The development/activity would: e. Have a high level of effect on the character or key attributes of the receiving environment and/or the vista within which it is seen; and/or f. Have a high level of effect on the perceived amenity derived from it. *Oxford English Dictionary Definition* High: adjective 1 extending above the normal level. 2 great in amount, value, size, or intensity. 3 great in rank or status. 4 morally or culturally superior.
Moderate	*Use* The development/activity would: g. Have a moderate level of effect on the character or key attributes of the receiving environment and/or the vista within which it is seen; and/or h. Have a moderate level of effect on the perceived amenity derived from it. *Oxford English Dictionary Definition* Moderate: adjective 1 average in amount, intensity, or degree.
"Minor" Threshold Under the RMA. Ratings above this threshold are "More than Minor". Ratings below this threshold are "Less than Minor". Low-Moderate ratings are "Minor".	
Low	*Use* The development/activity would: i. Have a low level of effect on the character or key attributes of the receiving environment and/or the vista within which it is seen; and/or j. Have a low level of effect on the perceived amenity derived from it. *Oxford English Dictionary Definition* Low: adjective 1 below average in amount, extent, or intensity. 2 lacking importance, prestige, or quality; inferior.
Very Low	*Use* The development/activity would: k. Have a very low level of effect on the character or key attributes of the receiving environment and/or the vista within which it is seen; and/or l. Have a very low level of effect on the perceived amenity derived from it. *Oxford English Dictionary Definition* Very: adverb 1 in a high degree. 2 with superlative or own without qualification: the very best quality. Low: adjective 1 below average in amount, extent, or intensity. 2 lacking importance, prestige, or quality; inferior.
Negligible	*Use* The development/activity would: m. Have a negligible effect on the character or key attributes of the receiving environment and/or the vista within which it is seen; and/or n. Have a negligible effect on the perceived amenity derived from it. *Oxford English Dictionary Definition* Negligible: adjective that need not be considered.
Detectable Effect Threshold	
No Effect	The development/activity would have no effect on the receiving environment.
Note: Ratings may be positive (e.g. high level of enhancement) or negative (e.g. high adverse effect).	

EFFECT THRESHOLDS IN RELATION TO THE RMA AND NZCPS							
NZILA Ratings	**Negligible**	**Very Low**	**Low**	**Moderate**	**High**	**Very High**	**Extreme**
Act/Policy	**Threshold**						
RMA	**Less than Minor**			**More than Minor**			
NZCPS						**Significant**	

Attachment F: Assessment of Visual Effects Table

The following table must be read in conjunction with the attached MGLA View location map, visual effects definitions and VAC rating definitions.

No	Submission No. & Location	Existing Landscape & Visual Amenity Values	Expected Change	Visual Absorption Capability Ratings & Notes	Potential Effects & Mitigation Requirements	Effect Ratings
1	Submission 33 209 Pinnacle Hill Road	• The existing McPherson Quarry. Although there are no direct views into the quarry, tracks, and other works, associated with the quarry are visible. • Mt William Lookout, directly visible. • SNA and the associated native vegetation • Scrub and exotic vegetation scattered throughout the application site.	All stages will be partially visible from this view location. Stage 1 works will be visible to the southwest. The secondary skyline ridge will be progressively removed from view, which will open views up to the landscape beyond. A small proportion of the SNA will be removed however may not be notable in view. Stage 2 works will be visible directly to the west. The secondary skyline ridgeline in view will be progressively altered and the upper benches of stage 2 will be directly visible from this location. SNA directly in foreground will be retained. Part of these upper benches which were made visible in stage 2 will then be extracted from and removed from view in stage 3, exposing more land associated with Mt. William in behind. Benches along the northern	Due to vegetation screening and nature of the undulating topography, the majority of works, including the quarry pit will be screened from view. Large mature trees surround the dwelling, which break up wide-open views and reduce the number of viewing opportunities. The SNA to the east of the quarry pit will help screen the edges of the proposed quarry works. The amphitheater like nature of the quarry will screen the majority of the quarry from view. Views of Mt William will not be obstructed. Mt William will remain the dominant feature of the view.	The property currently does not look into the quarry. Extraction and the percentage of exposed earth will increase as a result, particularly in stage 2. The proposed works will result in a loss of rural pastoral land. Although the loss in rural land will not affect the wider rural character, the proposed works will have an effect on visual amenity from this view location Although Mt William will remain the dominant feature of the view, stage 2 may result in a small intrusion effect. Machinery will be visible along the upper benches of the quarry, for a short-term, which may increase movement and flashing light beacons into view. Although flashing light beacons and machinery is not considered out of context in the rural environment, the typical quarry trucks and other	**Rating:** Unmitigated Stage 1: *Low- moderate* Stage 2: *Moderate* Stage 3: *Low* Mitigated Stage 1: *Low* Stage 2: *Low* Stage 3: *Very Low*

Attachment F: Assessment of Visual Effects Table

The following table must be read in conjunction with the attached MGLA View location map, visual effects definitions and VAC rating definitions.

No	Submission No. & Location	Existing Landscape & Visual Amenity Values	Expected Change	Visual Absorption Capability Ratings & Notes	Potential Effects & Mitigation Requirements	Effect Ratings
			boundary will remain visible for the entirety of the life of the quarry. Machinery such as trucks will be visible along tracks along the top edge of the quarry boundary.		machinery are of a size and scale a lot larger than tractors and motorbikes typically seen. <u>Mitigation</u> In order to reduce the adverse effects of stage 2 from this property, it is recommended that a band of fast-growing trees with the potential to grow 20m should be planted part way along the northern quarry boundary. This will infill the area between the SNA to the east and the ecological planting to the north. Mitigation planting in combination with the SNA within the foreground will partially screen the exposed upper benches created in stage 2 from this location. Trees should be planted before works take place in stage 2 to ensure trees become established. This band of planting in combination with the SNA vegetation will help lessen the visual effects from this property.	

Attachment F: Assessment of Visual Effects Table

The following table must be read in conjunction with the attached MGLA View location map, visual effects definitions and VAC rating definitions.

No	Submission No. & Location	Existing Landscape & Visual Amenity Values	Expected Change	Visual Absorption Capability Ratings & Notes	Potential Effects & Mitigation Requirements	Effect Ratings
2	Submission 29 219 SH2 (Location 1)	• The existing McPherson Quarry. • Dense vegetation within curtilage of the property at 219 SH2. • SNA and the associated native vegetation	Stage 1 & 2 will be visible from this view location. In stage 1, quarry benches will become slightly more distant as rock is extracted. The removal of the eastern ridge will also mean removal of part of the SNA. Stage 2 will continue to extract from northern benches while altering the skyline ridgeline which will slightly open views up to the landscape beyond. Stage 3 will involve the removal of land visible between gaps in the SNA. Stage 3 is not expected to be notable from this VL. Machinery such as trucks will be visible along tracks along the top edge of the quarry boundary.	The proposed quarry works visible, associated with stage 1 and 2, will be seen within the context of the existing quarry. Vegetation within view, including the SNA, in combination with the amphitheater like nature of the quarry will help to screen the majority of proposed works, particularly stage 3, from view. The upper quarry benches will be visible where the quarry pit will be completely screened from view.	The extent of quarry visible is not expected to increase considerably. The proposed works will result in a small loss of rural pastoral land. The loss in rural land will not affect the wider rural character. Although machinery such as trucks will be visible along benches of the quarry which may increase frequent movement and flashing light beacons into view, truck movement is an already existing activity, which will not result in an increased adverse effect from this VL.	**Rating:** Unmitigated Stage 1: *Very Low* Stage 2: *Very Low* Stage 3: *Negligible* Mitigated Stage 1: *Very Low* Stage 2: *Very Low* Stage 3: *Negligible*
3	Submission 29 219 SH2 (Location 2)	• The existing McPherson Quarry is directly visible. • Mt William Lookout.	Proposed work within stage 1 & 2 will be visible from this view location. Stage 3 is not likely to be visible.	Although directly visible, the proposed quarry works associated with stage 1 and 2 will be seen	The current extent of quarry visible will increase slightly. Extraction and the percentage of exposed earth	**Rating:** Unmitigated Stage 1: *Low-Moderate*

Attachment F: Assessment of Visual Effects Table

The following table must be read in conjunction with the attached MGLA View location map, visual effects definitions and VAC rating definitions.

No	Submission No. & Location	Existing Landscape & Visual Amenity Values	Expected Change	Visual Absorption Capability Ratings & Notes	Potential Effects & Mitigation Requirements	Effect Ratings
		• Vegetation screening including property shelterbelts and hedgerows and the SNA surrounding the site. • Undulating pastoral land. • Rural dwellings and rural ancillary buildings visible to the east.	Stage 1 will see more rock extracted from current benches as the eastern ridge is removed. Benches will become more distant. The removal of a proportion of SNA associated with stage 1 will be visible from this VL. As stage 2 extraction occurs, benches will become more distant in the view and more articulated as quarry benches navigate around surrounding SNA. The existing skyline will be altered. The skyline ridge will be seen progressively dropping in elevation and is likely to expose the existing pastoral land beyond the site. Machinery such as trucks will be visible along tracks along the top edge of the quarry boundary.	within the context of the existing quarry. Vegetation within view, in combination with the amphitheater like nature of the quarry will help to screen the majority of proposed works, particularly stage 3, from view. The upper quarry benches will be visible where the quarry pit will be completely screened from view.	will increase as a result, particularly in stage 1. The proposed works will result in a small loss of visible rural pastoral land. The loss in rural land will not affect the wider rural character. Although machinery such as trucks will be visible along benches of the quarry which may increase frequent movement and flashing light beacons into view, truck movement is an already existing activity, which will not result in an increased adverse effect from this VL.	Stage 2: *Low* Stage 3: *Negligible* Mitigated Stage 1: *Low-Moderate* Stage 2: *Low* Stage 3: *Negligible*

Attachment F: Assessment of Visual Effects Table

The following table must be read in conjunction with the attached MGLA View location map, visual effects definitions and VAC rating definitions.

No	Submission No. & Location	Existing Landscape & Visual Amenity Values	Expected Change	Visual Absorption Capability Ratings & Notes	Potential Effects & Mitigation Requirements	Effect Ratings
4	Submission 18 231 Pinnacle Hill Road	• Mt William Lookout, directly visible to the west. • Distant ranges of Northern Waikato to the south create part of the skyline profile. • Undulating pastoral land of the application site sticks up above the distant skyline profile. • SNA and the associated native vegetation surround the application site. • Scrub and exotic vegetation scattered throughout the application site.	Although not likely notable, stage 1 will be partially visible. A small area of land and part of the SNA above the ridge within the foreground will be progressively removed. Proposed work associated with stage 2 will result in the sites main ridgeline to be progressively removed from view, creating a new skyline, and exposing the upper benches along the southern side of the quarry pit. This will also expose more wide-open views of Northern Waikato to the South. Upper benches visible along the southern boundary, and created in stage 2, will be slightly altered in stage 3. Machinery such as trucks will be visible along tracks along the top edge of the quarry boundary.	There is a lack in vegetation screening from this property. Stage 2, which will be the most notable change in view, will be directly visible from this VL. An existing shelterbelt, visible in the foreground will continue to screen views of the western part of the site, and potentially screen truck movements but will not screen the notable change resulting from stage 2. Works associated with stage 3 will majority be screened by the nature of the undulating topography and ridgeline in the foreground. SNA surrounding the proposed quarry works will create a small backdrop in some instances, however, will not screen any works from view.	Although the amount of exposed earth will not increase by a notable amount, the proposed works will result in a notable loss of rural pastoral land exposing distant land of the Northern Waikato, particularly from stage 2. The loss in rural land will not affect the wider rural character. Machinery will be visible along the upper benches of the quarry which may increase frequent movement and flashing light beacons into view. Although flashing light beacons and machinery is not considered out of context in the rural environment, the typical quarry trucks and other machinery are of a size and scale a lot larger than tractors and motorbikes typically seen. Mitigation In order to reduce the adverse effects of stage 2 from this property, it is recommended that a band of fast-growing trees with the	**Rating:** Unmitigated Stage 1: *Negligible* Stage 2: *Moderate* Stage 3: *Negligible* Mitigated Stage 1: *Negligible* Stage 2: *Low* Stage 3: *Negligible*

Attachment F: Assessment of Visual Effects Table

The following table must be read in conjunction with the attached MGLA View location map, visual effects definitions and VAC rating definitions.

No	Submission No. & Location	Existing Landscape & Visual Amenity Values	Expected Change	Visual Absorption Capability Ratings & Notes	Potential Effects & Mitigation Requirements	Effect Ratings
					potential to grow 20m should be planted part way along the northern quarry boundary. This will infill the area between the SNA to the east and the ecological planting to the north. Mitigation planting will partially screen the proposed work which will alter the ridgeline and skyline exposing upper benches. Trees should be planted before works take place in stage 2 to ensure trees become established. This band of planting will help lessen the visual effects from this property.	
5	Submission 24 231B Pinnacle Hill Road	• Mt William Lookout, directly visible. • Undulating pastoral land. • Existing quarry in the distance. • SNA and the associated native vegetation • Scrub and exotic vegetation scattered	Only proposed works associated with stage 2 will be visible from this location. A small proportion of SNA in stage 1 will be removed, however not expected to be notable in view. The removal of land which forms the secondary skyline in view will be progressively removed in	The amphitheater like nature of the quarry, in combination with the neighbouring house located within the midground will help to screen the majority of proposed works from view. Due to the distance separation, the view from this location becomes more complex when compared to	There will be a general absence of exposed rock and quarry benches. The proposed works will result in a small loss of rural pastoral land. This will not affect the wider rural character. Machinery will be visible along the upper benches of the quarry which may increase frequent movement	**Rating:** Unmitigated Stage 1: *Negligible* Stage 2: *Very Low* Stage 3: *Negligible* Mitigated Stage 1: *Negligible* Stage 2: *Negligible*

Attachment F: Assessment of Visual Effects Table

The following table must be read in conjunction with the attached MGLA View location map, visual effects definitions and VAC rating definitions.

No	Submission No. & Location	Existing Landscape & Visual Amenity Values	Expected Change	Visual Absorption Capability Ratings & Notes	Potential Effects & Mitigation Requirements	Effect Ratings
		throughout the application site.	stage 2, exposing a larger proportion of distant land beyond. Skyline will not change. Although the VL does not look directly into the quarry pit, quarry works including machinery traveling along tracks will be visible along the top edge of the quarry boundary.	close proximity locations, meaning changes will not become a dominant feature. Due to the general absence of exposed rock and quarry benches, Mt William and the vista of Northern Waikato will remain as the dominant features within the view.	and flashing light beacons into view. Although flashing light beacons and machinery is not considered out of context in the rural environment, the typical quarry trucks and other machinery are of a size and scale a lot larger than tractors and motorbikes typically seen.	Stage 3: *Negligible*
6	Submission 31 – Community Submission 233C Pinnacle Hill Road	• Mt William Lookout, directly visible. • Undulating pastoral land. • Existing quarry in the distance. • Pokeno and distant skyline to the south. • SNA and the associated native vegetation • Scrub and exotic vegetation scattered throughout the application site.	Only proposed works associated with stage 2 will be visible from this location. A small proportion of SNA in stage 1 will be removed, however not expected to be notable in view. Proposed work associated with stage 2 will result in the sites main ridgeline to be partially and progressively removed from view, exposing a very small proportion of the upper benches along the southern side of the quarry pit. This will also expose more views of Northern Waikato to the South.	Due to the distance separation, the view from this location becomes more complex when compared to close proximity locations. The amphitheater like nature of the quarry, in combination with the neighbouring house located within the midground will help to screen the majority of proposed works from view. Due to the general absence of exposed rock and proposed quarry benches, Mt William and the vista of Northern Waikato will remain as	The proposed works will result in a small loss of rural pastoral land. This will not however affect the rural character of the wider landscape. Although there will be a general absence of exposed rock and quarry benches, visual evidence of a quarry will be visible. Altering the secondary skyline will slightly affect visual amenity from this VL. Machinery is likely to be visible along the upper edges of the quarry which may increase frequent movement and flashing	**Rating:** Unmitigated Stage 1: *Negligible* Stage 2: *Low* Stage 3: *No effect* Mitigated Stage 1: *Negligible* Stage 2: *Very Low* Stage 3: *No effect*

Attachment F: Assessment of Visual Effects Table

The following table must be read in conjunction with the attached MGLA View location map, visual effects definitions and VAC rating definitions.

No	Submission No. & Location	Existing Landscape & Visual Amenity Values	Expected Change	Visual Absorption Capability Ratings & Notes	Potential Effects & Mitigation Requirements	Effect Ratings
			Although the VL does not look directly into the quarry pit, quarry works including machinery traveling along tracks will be visible along the top edge of the quarry boundary. Machinery such as trucks will be visible along tracks along the top edge of the quarry boundary.	the dominant features within the view.	light beacons into view. Although the machinery will be of a size and scale a lot larger than tractors and motorbikes typically seen in the rural environment, trucks will not become notable due to distance separation.	
7	Submission 15 247 Pinnacle Hill Road	• Mt William Lookout, directly visible. • The existing McPherson Quarry. Although there are no direct views into the quarry pit, tracks, and other works surrounding the quarry pit are visible. • Pokeno and distant skyline to the south, visible from some locations within the property. • SNA and the associated native vegetation • Scrub and exotic vegetation scattered	All 3 of the stages will be partially visible due to the elevated nature of this location. Proposed work associated with Stage 1, will result in the eastern ridge to be progressively extracted from and removed from view. A proportion of the SNA will be removed. Stage 2 will be directly visible. Proposed work associated with stage 2 will result in the sites main ridgeline to be partially and progressively removed from	Due to the distance separation, the view from this location becomes more complex when compared to close proximity locations. The SNA to the east will help to screen part of works in stage 2 and backdrop the upper benches along the southern boundary. Due to the lack of visual screening the quarry will be directly visible from this location.	The extent of the quarry and the percentage of exposed earth will increase. The proposed works will result in a loss of rural pastoral land. This will not however affect the rural character of the wider landscape. There will be an effect on visual amenity as the landform will be transformed and ridgelines notably altered. Machinery will be visible along the upper benches of the quarry which may increase frequent movement	**Rating:** Unmitigated Stage 1: *Low* Stage 2: *Low-Moderate* Stage 3: *Low* Mitigated Stage 1: *Low* Stage 2: *Low* Stage 3: *Low*

Attachment F: Assessment of Visual Effects Table

The following table must be read in conjunction with the attached MGLA View location map, visual effects definitions and VAC rating definitions.

No	Submission No. & Location	Existing Landscape & Visual Amenity Values	Expected Change	Visual Absorption Capability Ratings & Notes	Potential Effects & Mitigation Requirements	Effect Ratings
		throughout the application site.	view, exposing the quarries upper benches. Stage 3 will further result in modifying the ridgeline, which will further remove more rock and majority of western upper benches created by stage 2 works. It is expected that stage 3 will result in an increased visibility of pastoral land beyond the site. Proposed works will likely create more of an articulated ridgeline rather than a natural rolling ridge. Machinery such as trucks will be visible along tracks along the top edge of the quarry boundary.		and flashing light beacons into view. Although the machinery will be of a size and scale a lot larger than tractors and motorbikes typically seen in the rural environment, trucks will not become notable due to distance separation. <u>Mitigation</u> In order to reduce the adverse effects of stage 2 from this property, it is recommended that a band of fast-growing trees with the potential to grow 20m should be planted part way along the northern quarry boundary. This will infill the area between the SNA to the east and the ecological planting to the north. Mitigation planting in combination with the SNA will partially screen the exposed upper benches created in stage 2 from this location. Trees should be planted before works take place in stage 2 to ensure trees become established.	

Attachment F: Assessment of Visual Effects Table

The following table must be read in conjunction with the attached MGLA View location map, visual effects definitions and VAC rating definitions.

No	Submission No. & Location	Existing Landscape & Visual Amenity Values	Expected Change	Visual Absorption Capability Ratings & Notes	Potential Effects & Mitigation Requirements	Effect Ratings
					This band of planting in combination with the SNA vegetation will help lessen the visual effects from this property.	
8	Submission 21 217 Pinnacle Hill Road	• Mt William Lookout, directly visible and main feature in view. • The existing McPherson Quarry. Although there are no direct views into the quarry, tracks, and other works, associated with the quarry, located along the ridges surrounding the quarry pit are visible. • Ranges visible in distant south. • SNA and the associated native vegetation • Scrub and exotic vegetation scattered throughout the application site. • Curtilage planting, shelterbelts.	Stage 2 will be directly visible. Proposed work associated with stage 2 will result in the sites main ridgeline to be partially and progressively be removed from view, exposing a proportion of the upper benches. Stage 3 will continue to modify the ridgeline, which will further remove more rock and majority of western upper benches created by stage 2 works. It is expected that stage 3 will open up views to native bush beyond the site. Proposed works will likely create more of an articulated ridgeline rather than a natural rolling ridge.	Due to the vegetation visible within the foreground, stage 1 works will not be visible. There will be direct views of stage 2 due to lack of vegetative screening. The amphitheater like nature of the quarry will help to screen the majority of proposed works.	The proposed works will result in a loss of rural pastoral land. This will not affect the rural character of the wider landscape. Machinery will be visible along the upper benches of the quarry which may increase frequent movement and flashing light beacons into view. Although flashing light beacons and machinery is not considered out of context in the rural environment, the typical quarry trucks and other machinery are of a size and scale a lot larger than tractors and motorbikes typically seen. Mitigation In order to reduce the adverse effects of stage 2 from this property, it is recommended that a	**Rating:** Unmitigated Stage 1: *Negligible* Stage 2: *Low-Moderate* Stage 3: *Low* Mitigated Stage 1: *Negligible* Stage 2: *Low* Stage 3: *Low*

Attachment F: Assessment of Visual Effects Table

The following table must be read in conjunction with the attached MGLA View location map, visual effects definitions and VAC rating definitions.

No	Submission No. & Location	Existing Landscape & Visual Amenity Values	Expected Change	Visual Absorption Capability Ratings & Notes	Potential Effects & Mitigation Requirements	Effect Ratings
			Machinery such as trucks will be visible along tracks along the top edge of the quarry boundary.		band of fast-growing trees with the potential to grow 20m should be planted part way along the northern quarry boundary. This will infill the area between the SNA to the east and the ecological planting to the north. Mitigation planting will partially screen the exposed upper benches created in stage 2 from this location. Trees should be planted before works take place in stage 2 to ensure trees become established. This band of planting in combination with foreground vegetative screening will help lessen the visual effects from this property.	
9	Submission 22 215 Pinnacle Hill Road	• The existing McPherson Quarry. Although there are no direct views into the quarry, tracks, and other works, associated with the quarry, located along the ridges surrounding the quarry pit are visible.	Proposed works associated with stage 1, will be visible. The eastern ridgeline will be progressively removed as well as part of the SNA. Stage 2 will see the removal of the main ridgeline within the application site, opening up views	The amphitheater like nature of the quarry will help to screen the majority of proposed works. Distant landscape of Northern Waikato backdrops the site.	The proposed works will result in a loss of rural pastoral land. This will not however affect the rural character of the wider landscape. Machinery will be visible along the upper benches of the quarry which may increase frequent movement	**Rating:** Unmitigated Stage 1: *Low* Stage 2: *Low-Moderate* Stage 3: *Low* Mitigated

Attachment F: Assessment of Visual Effects Table

The following table must be read in conjunction with the attached MGLA View location map, visual effects definitions and VAC rating definitions.

No	Submission No. & Location	Existing Landscape & Visual Amenity Values	Expected Change	Visual Absorption Capability Ratings & Notes	Potential Effects & Mitigation Requirements	Effect Ratings
		• Mt William Lookout, directly visible. • Pokeno and distant skyline to the south, visible from some locations within the property. • SNA and the associated native vegetation • Scrub and exotic vegetation scattered throughout the application site.	beyond the site to the south. Partial views of the upper benches along the west will become visible within the view. Stage 3 will further result in modifying the ridgeline, which will further remove more rock and majority of western upper benches created by stage 2 works. It is expected that stage 3 will result in an increased view of pastoral land beyond the site. Machinery such as trucks will be visible along tracks along the top edge of the quarry boundary.	SNA vegetation will help to screen and integrate a small proportion of the proposed quarry. SNA will further create a backdrop for the quarry benches along the southern boundary in stage 2 & 3.	and flashing light beacons into view. Although flashing light beacons and machinery is not considered out of context in the rural environment, the typical quarry trucks and other machinery are of a size and scale a lot larger than tractors and motorbikes typically seen. <u>Mitigation</u> In order to reduce the adverse effects of stage 2 from this property, it is recommended that a band of fast-growing trees with the potential to grow 20m should be planted part way along the northern quarry boundary. This will infill the area between the SNA to the east and the ecological planting to the north. Mitigation planting will partially screen the exposed upper benches created in stage 2 from this location. Trees should be planted before works take place in stage 2 to ensure trees become established.	Stage 1: *Low* Stage 2: *Low* Stage 3: *Low*

Attachment F: Assessment of Visual Effects Table

The following table must be read in conjunction with the attached MGLA View location map, visual effects definitions and VAC rating definitions.

No	Submission No. & Location	Existing Landscape & Visual Amenity Values	Expected Change	Visual Absorption Capability Ratings & Notes	Potential Effects & Mitigation Requirements	Effect Ratings
					This band of planting will help lessen the visual effects from this property.	
10	Submission 17 211 Pinnacle Hill Road	• Mt William Lookout, directly visible, between gap in vegetation. • Native bush. • Dense curtilage planting surrounding the property.	There will be no visible changes from this view location.	The existing quarry is not visible. The proposed quarry works will not be visible from this property due to the dense curtilage planting.	No visual amenity affects from this location.	**Rating:** Unmitigated Stage 1: *No effect* Stage 2: *No effect* Stage 3: *No effect* Mitigated Stage 1: *No effect* Stage 2: *No effect* Stage 3: *No effect* Note: Removal of surrounding Pine and vegetation would result in similar effects to 215 & 217
11	Submission 30 40 McPherson Road	• The existing McPherson Quarry. • Mt William Lookout, directly visible. • Pokeno and distant skyline to the south, visible from	All 3 of the proposed stages will be visible from this location. A proportion of the SNA to the east of the quarry will be removed as part of the removal	The proposed quarry works, including machinery and frequent movement of trucks visible, will be largely seen within the context of the existing quarry.	The proposed works will result in a small loss of land, including altering the existing skyline. Which will have a small effect on visual amenity. There will also be a	**Rating:** *Location 1* Unmitigated Stage 1: *Low-Moderate* Stage 2: *Very Low*

Attachment F: Assessment of Visual Effects Table

The following table must be read in conjunction with the attached MGLA View location map, visual effects definitions and VAC rating definitions.

No	Submission No. & Location	Existing Landscape & Visual Amenity Values	Expected Change	Visual Absorption Capability Ratings & Notes	Potential Effects & Mitigation Requirements	Effect Ratings
	Residents of this property have direct views of the existing McPherson Quarry from their front lawn and from areas within the dwelling. *It should be noted that the residents access their property adjacent to the entrance of the existing McPherson Quarry.*	some locations within the property. • SNA and the associated native vegetation • Scrubland located within the application site	of the eastern ridge in stage 1. This will open up views of the northern benches and Mt William which continues to backdrop the site. Stage 2 will further result in modifying the ridgeline, which will further remove more rock and the western ridge. The extent of quarry visible will stay the same. Stage 3 will further remove more rock to the west, exposing more native bush associated with Mt. William. The extent of quarry visible will decrease as rock is excavated and some benches removed from view completely. Stage 3 will see the faces recede away from the viewer as extraction occurs.	SNA within the foreground will help to screen a small proportion of the quarry and will also create a backdrop along the western boundary in stage 3. The amphitheater like nature of the quarry will help to screen some of the proposed works and main pit area. From the majority of locations within the property, vegetation screens the majority of the quarry from view. Wide-open views are attained from some areas within the dwelling and the main front lawn area.	small intrusive effect on Mt. William in stage 1 & 2, decreasing in stage 3. Extraction and the percentage of exposed earth will increase as a result of stage 1 and stage 2. Exposed rock will decrease in stage 3.	Stage 3: *Low* Mitigated Stage 1: *Low-Moderate* Stage 2: *Very Low* Stage 3: *Low* Note: House currently screened by trees. *Location 2* Unmitigated Stage 1: *Moderate* Stage 2: *Very Low* Stage 3: *Low-Moderate* Mitigated Stage 1: *Moderate* Stage 2: *Very Low* Stage 3: *Low-Moderate* Ratings from front lawn

Attachment G: Aerial Photograph of Site 23/2/2001