

**DRURY QUARRY
EXPANSION**

**OVERVIEW OF TANGATA WHENUA
ENGAGEMENT PART 1**



DOCUMENT DETAIL

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1. EXECUTIVE SUMMARY

Stevenson Aggregates Limited (SAL) is seeking to expand the existing Drury Quarry into an area known as the “Sutton Block”. This area is north-east of the existing pit. SAL has been engaging with tangata whenua representatives in relation to the proposal for approximately two years. Resource consent is expected to be lodged in January 2023.

The iwi groups that wanted to engage in relation to the project are:

- Ngāti Tamaoho;
- Ngaati Te Ata Waiohua;
- Te Ākitai Waiohua;
- Ngāi Tai Ki Tamaki;
- Ngaati Whanaunga.

A contemporaneous engagement process with Auckland Council, Ngāti Tamaoho and Ngaati Te Ata Waiohua has been underway (and continues). This relates to those iwi parties nominating Kaarearea Paa / Ballards Cone for greater protection, via a yet to be determined mechanism.

Throughout the engagement process a number of matters and issues have been traversed. These are all covered by the engagement log (**Appendix 1**) and meeting minutes (**Appendix 2**). Some of the more key matters addressed were:

- Concerns that the proposed quarry pit is too close to Kaarearea Paa / Ballards Cone;
- Concerns with the quarrying activity digging up and destroying Papatuanuku;
- Concerns about the impacts on streams and wetlands;
- Concern that the proposed haul road is too close to Kaarearea Paa / Ballards Cone;
- Concern regarding vibration effects on Kaarearea Paa / Ballards Cone;
- Concern that the location of offsite mitigation is outside the local catchment.

2. KEY IWI DETAILS

Iwi	Team members
Ngāti Tamaoho	Lucie Rutherford, RMA Technical Officer Edith Tuhimata, Kaitiaki Taiao Beau White, Environmental Officer / Archeologist Ben Leonard, Historian
Ngaati Te Ata Waiohua	Karl Flavell, Manager Te Pou Taiao David Fraser, Field Officer
Te Ākitai Waiohua	Jeff Lee, Kaitiaki
Ngāi Tai Ki Tamaki	Revell Butler, Aukaha Tōmau - Taiaomaurikura
Ngaati Whanaunga	Mike Baker, Environmental Officer Stuart Renata, Kaitiaki

Table 1

3. KEY MEMBERS OF THE STEVENSON TEAM

Stevenson contact	Role
Jo Young	Consents Manager
Kurt Hine	General Manager – Aggregates
Tara Edwards -Tusa	Kaiārahi & Environmental Compliance Manager
Anne-Marie Petersen	Stakeholder and Engagement Manager

Table 2

4. BACKGROUND

4.1. How did engagement commence?

In 2007 SAL underwent a plan change process to re-zone the Sutton Block (the land that is the subject of the proposed expansion). As part of that plan change process SAL and Ngāti Tamaoho signed a Memorandum of Understanding (MOU).

In October 2021 SAL reached out to Ngāti Tamaoho to discuss that MOU and begin the engagement process in relation to this current resource consent. This process began with a Teams meeting on 5 November 2021 and a walkover of the Sutton Block on 18 November 2021. This is all outlined in the Engagement Log provided at **Appendix 1**. From that point onwards, hui have continued on a regular basis, generally every 1-2 months.

In March 2022, all iwi listed as having an interest in the site (as per the Auckland Council website) were invited to the Drury Quarry Information Sessions. These were held at Ramarama Hall and were held on 17-20 and 26 – 27 March 2022. These were attended by the local community, neighbours, local board and Council representatives. No iwi groups attended those sessions.

In April 2022, SAL again reached out to all iwi listed on the Auckland Council website as having an interest. Those iwi, and their responses are provided in *Table 3* below. Thus, begun a process of engaging with the following five iwi groups:

- Ngāti Tamaoho;
- Ngaati Te Ata Waiohū;
- Te Ākitai Waiohū;
- Ngāi Tai Ki Tamaki;
- Ngaati Whanaunga.

4.2. How did engagement proceed?

As outlined in the Engagement Log at **Appendix 1** engagement happened in a number of ways. There were various Teams meetings and in person meetings at Drury Quarry.

Sometimes iwi groups preferred to meet alone, and at other times some iwi groups were happy to meet as a collective.

There were many site visit across the two years of engagement.

Iwi	Response
Ngāti Tamaoho	Actively interested. Engagement already underway.
Ngaati Te Ata Waiohū	Actively interested. Site visit arranged.
Te Ākitai Waiohū	Actively interested. Site visit arranged.
Ngāi Tai Ki Tamaki	Actively interested. Engagement already underway on another of SAL's sites.
Ngaati Whanaunga	Actively interested. Site visit arranged.
Te Ahiwaru - Waiohū	<i>On behalf of Te Ahiwaru, we are pleased and content to see our Whanaunga (relatives) of Ngaati Tamaoho and Ngaati Te Ata are engaging.</i> <i>We will support any recommendations they may have toward environmental improvement and Te Tiriti fulfilment for Waiohū of the rohe.</i> <i>We differ mana a rohe to them, as active kaitiaki and ahi kaa in the area.</i>
Waikato Tainui	Following a hui Waikato Tainui replied: <i>Thank you for our hui today, Waikato Tainui will not be providing a CIA for the Drury quarry expansion.</i> <i>However, Waikato Tainui support and endorse Mana Whenua Ngāti Tamaoho position in protecting Maketu Paa and would like to be engaged at a high level.</i>
Ngāti Maru	No response
Ngāti Tamatera	No response

Table 3

4.3. Kaarearea Paa / Ballards Cone nominated for protection to Auckland Council

The site known as Kaarearea Paa / Ballards Cone is currently protected in the Auckland Unitary Plan (operative in part) (AUP) as a “Historic Heritage Overlay Extent of Place”. There are also parts of Kaarearea Paa / Ballards Cone covered in a “Significant Ecological Area” overlay.

In October 2022 SAL received a letter (dated 11 October 2022) in the post from Matthew Gouge (Senior Policy Planner) of Auckland Council. This letter indicated that Ngāti Tamaoho has identified a Māori heritage site - Kaarearea Paa / Ballards Cone. Auckland Council were undertaking assessments and sought a site visit to evaluate the nominated site for further protection.

The letter indicated that Auckland Council would like to engage with SAL to understand the type of protection that could be applied to the site. Two maps were provided with the letter. These indicated the area of protection that was being sought. This letter and maps are provided at **Appendix 3**.

At some point in the following months, it became clear that along with Ngāti Tamaoho, Ngaati Te Ata Waiohua were also a nominating iwi. However, Ngaati Te Ata Waiohua indicated that Ngāti Tamaoho would be leading the engagement and Ngaati Te Ata Waiohua would check in with SAL and Ngāti Tamaoho as things progressed.

On 10 November 2022 Matthew Gauge emailed to let SAL know that Ngāti Tamaoho had advised that they wished to nominate a larger extent, than the one provided in October 2022. The larger extent was identified in the plans provided at **Appendix 4**.

Discussions with Auckland Council and the nominating iwi is not complete, however, all discussions relating to the quarry expansion have taken the latter plans (**Appendix 4**) into consideration. The nominated extent of protection is discussed further in section 5 and 6 of this report.

5. KEY CONCERNS IDENTIFIED

Key Concern	Explanation
Quarry pit too close to Kaarearea Paa / Ballards Cone	The proposed quarry pit is considered too close to the north-eastern flank of the pā.
Effects on streams and wetlands	Loss of streams and wetlands in pit extent.
Haul road too close to Kaarearea Paa / Ballards Cone	The proposed haul road is too close to the western flank of the pā.
Vibration effects on Kaarearea Paa / Ballards Cone	Trucks on the haul road could cause vibration which impacts taonga within the pā site.
Offsite mitigation	Offsite mitigation not within the same catchment

6. FURTHER EXPLANATION OF KEY CONCERNS

6.1. Quarry pit too close to Kaarearea Paa / Ballards Cone

Initial pit plans were released in March 2022 for the community open days (of which iwi were invited). These plans are provided as **Appendix 5**. Of particular interest to iwi was the north-eastern flank of Kaarearea Paa / Ballards Cone. From the very beginning of engagement Ngāti Tamaoho flagged that this part of the pit was too close the pā site.

Figure 1 shows the proposed pit (light blue line) which skirts alongside the Historic Heritage Overlay Extent of Place (pink line). SAL had specifically designed the pit to ensure clearance from the Historic Heritage Overlay Extent of Place (pink line).

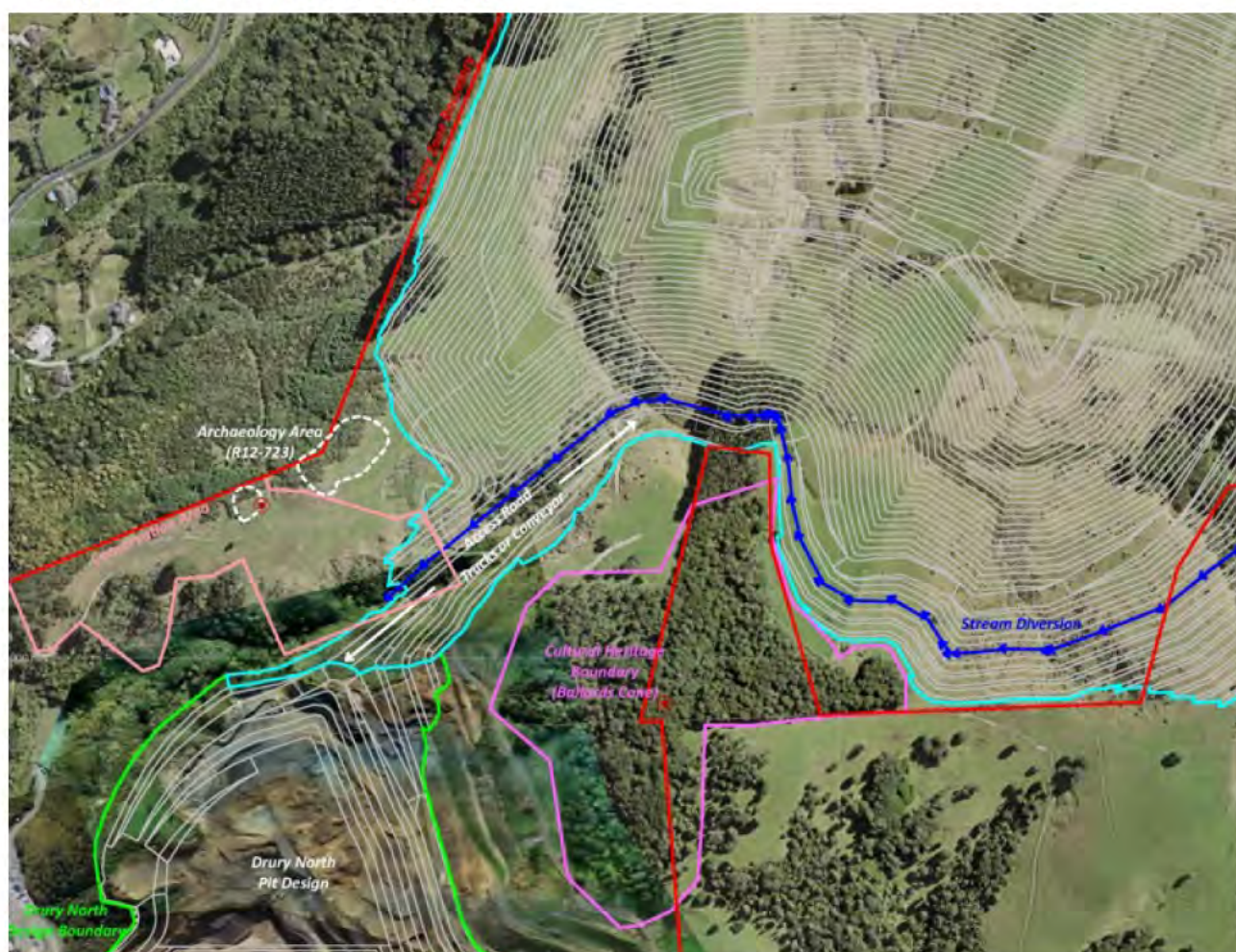


Figure 1 – Initial pit plans

Ngāti Tamaoho concerns were further emphasised when SAL received the nomination plans for the greater extent of protection for Kaarearea Paa / Ballards Cone from Auckland Council.

Figure 2 shows the protection extent sought in October 2022 as shown in aqua green. In November 2022, Auckland Council provided SAL with updated plans which indicated that iwi were seeking a greater protection extent. This is shown in Figure 2 as lime green.

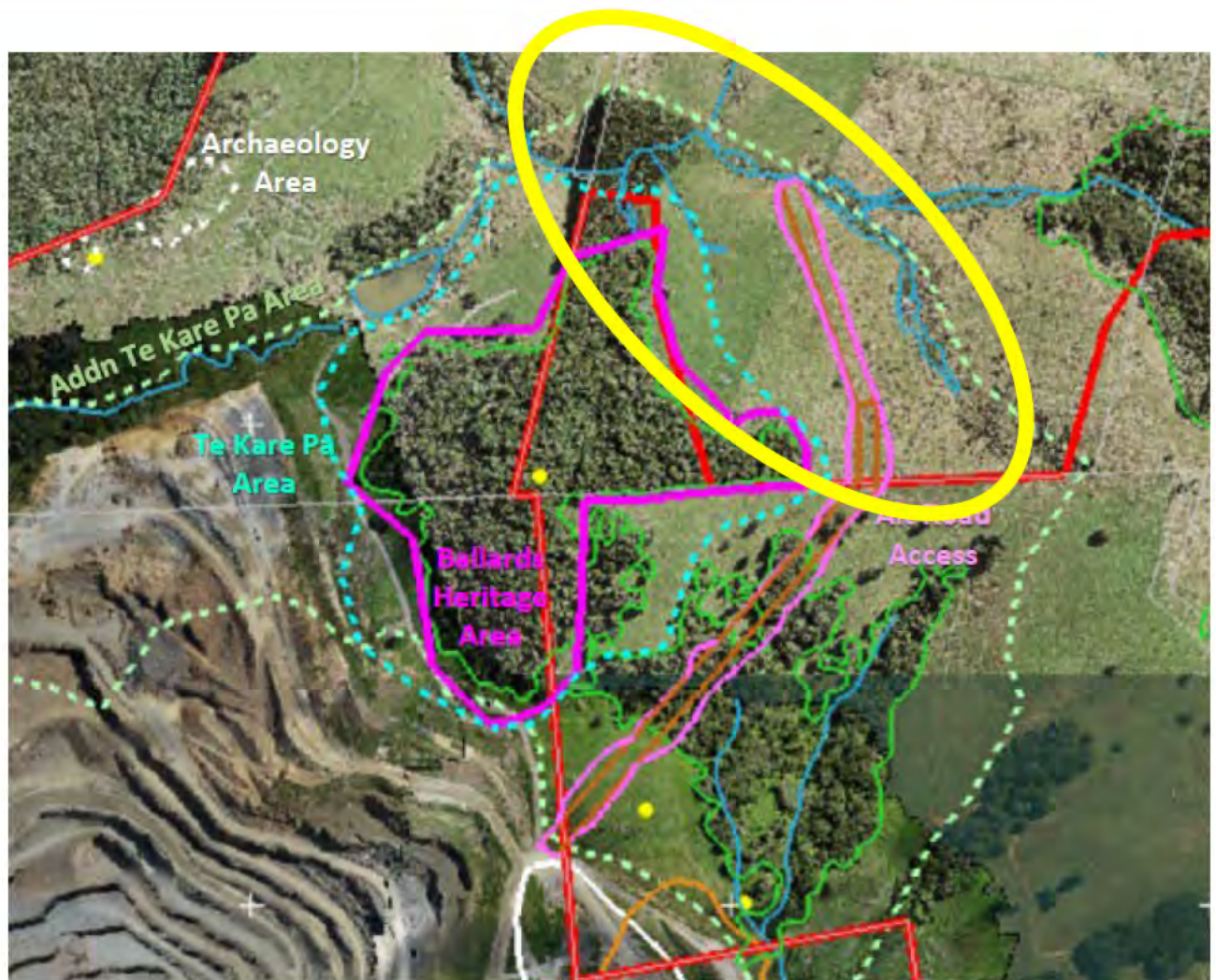


Figure 2 – The October 2022 protection extent shown in aqua green, and the November 2022 protection extent shown in lime green.

Ngāti Tamaoho and Ngaati Te Ata Waiohū were the parties that nominated this greater protection extent to Auckland Council. Therefore, SAL focussed engagement with those two iwi groups. Ngaati Te Ata Waiohū indicated that they are supportive of Ngāti Tamaoho taking the lead with engagement on this matter, and Ngaati Te Ata Waiohū would be kept updated as matters progressed.

Discussions kicked off at a hui with Ngāti Tamaoho, Ngaati Te Ata Waiohū, Auckland Council and SAL on 20 February 2023. This was followed by a site walkover with representatives of all parties on 12 April 2023. At the site walkover SAL presented a potential protection extent for Ngāti Tamaoho to consider. Within the yellow circle (shown in Figure 2) the proposed protection extent was halfway between the aqua green line and the lime green line.

Ngāti Tamaoho responded via email on 10 May 2023 outlining the protection extent they were comfortable with, within the yellow circle. They re-iterated that the lime green line was the protection extent sought.

On 15 June 2023 Ngāti Tamaoho invited SAL staff to undertake a cultural induction at their offices in Karaka. At that hui Ngāti Tamaoho noted that “they fight for what they believe is right from a cultural and spiritual point of view”. They outlined:

- the importance of Kaarearea Paa to Ngāti Tamaoho;
- the history of the pā including why it is likely a tapu site;

- Its wider context in the Māketu cultural landscape (including Maketu waterfall, Opaheke paa and Peach Hill cultural areas;
- Its importance as one of two pā kohatu (stone pā) left in Auckland

Following the cultural induction, SAL reconsidered the pit plans. This involved discussing the matter with the SAL Board. On 20 July 2023 SAL presented some new pit plan options. These plans showed the following:

Area of the pit	Discussion
North eastern side of Kaarearea Paa	■ Ngāti Tamaoho sought protection to the lime green line. ■ This lime green line runs through a stream / wetland. ■ SAL proposed to move the pit 20 meters further north from the bank of the stream and wetland. This resulted in a reduction in 660 m of stream loss and the protection of the wetland.
North-western side of Kaarearea Paa	■ For the most part, SAL proposed to move the pit 20m further north than the lime green line. ■ However, at the location of the upper dam (man made), this is not possible. This is due to the need to put the haul road in this location while maintaining a distance from Kaarearea Paa and archeological site R12/723.
Southern side of Kaarearea Paa	■ No change from the much greater protection extent sought.

In order to facilitate this greater protection extent and offset the loss of aggregate, SAL indicated to Ngāti Tamaoho that they would like to extend the pit outside the AUP Quarry zone boundary. SAL presented a couple of options for Ngāti Tamaoho to consider – to the north or to the east of the proposed pit. Ngāti Tamaoho were comfortable with this approach and supported an expansion in a northerly direction and this is reflected in the final proposed pit plan.

Ngāti Tamaoho also indicated that they were supportive of the north-eastern flank of Kaarearea Paa (the area now outside the pit) to be vegetated as part of the onsite ecological mitigation. This would adjoin the riparian planting that would be undertaken alongside the stream / wetland (that would now remain in-situ).

On 14 September 2023 final pit plans were presented to Ngāti Tamaoho. These included all of the changes discussed over the preceding months and the life of quarry plan which is provided as **Appendix 6**. The plans presented are the final plans submitted as part of the resource consent application. A snapshot of the plan is provided below and shows the pit 20 metres north of the stream / wetland, except on the western side at the upper dam.



Figure 3 Plan showing the final pit extent north of Kaarearea Paa / Ballards Cone

Ngāti Tamaoho were comfortable with these plans and expressed their thanks for being part of a meaningful engagement process. SAL thanked Ngāti Tamaoho for bringing them along on the journey and allowing us to work together.

The updated pit plans were presented to Ngaati Te Ata Waiohū on 31 August 2023 and they were satisfied with the change. They noted that the plans had evolved and Ngaati Te Ata Waiohū comments had been accommodated.

On 13 October 2023 representatives from Ngāti Whanaunga, Ngāi Tai Ki Tamaki and Te Ākitai Waiohū met with SAL. SAL presented on the changes that had occurred with the pit plans over the last six months with Ngāti Tamaoho and Ngaati Te Ata Waiohū. They were then taken on a tour of the expansion site, to fully understand the changes to the pit that had transpired.

6.2. Effects on Streams and Wetlands

As a result of the updated pit plans, a large extent of stream / wetland will now be retained. In addition, this stream / wetland will be enhanced with riparian planting along its extent. *Figure 4* shows the extent of stream / wetland to be retained in-situ.



Figure 4 Plan showing the updated pit extent in yellow, allowing the stream / wetland to be retained in-situ

6.3. Haul road too close to Kaarearea Paa / Ballards Cone

One of the key concerns that Ngāti Tamaoho and Ngaati Te Ata Waiohū had was the distance of the proposed haul road from Kaarearea Paa / Ballards Cone. The proposed haul road is in the location of the existing farm track up to the Sutton Block. It is proposed to be widened to accommodate quarry trucks.

As a result of these concerns, SAL explored an alternative haul road route. This alternative route was suggested by Ngāti Tamaoho in October 2022. This suggested route is shown in light pink in Figure 5.

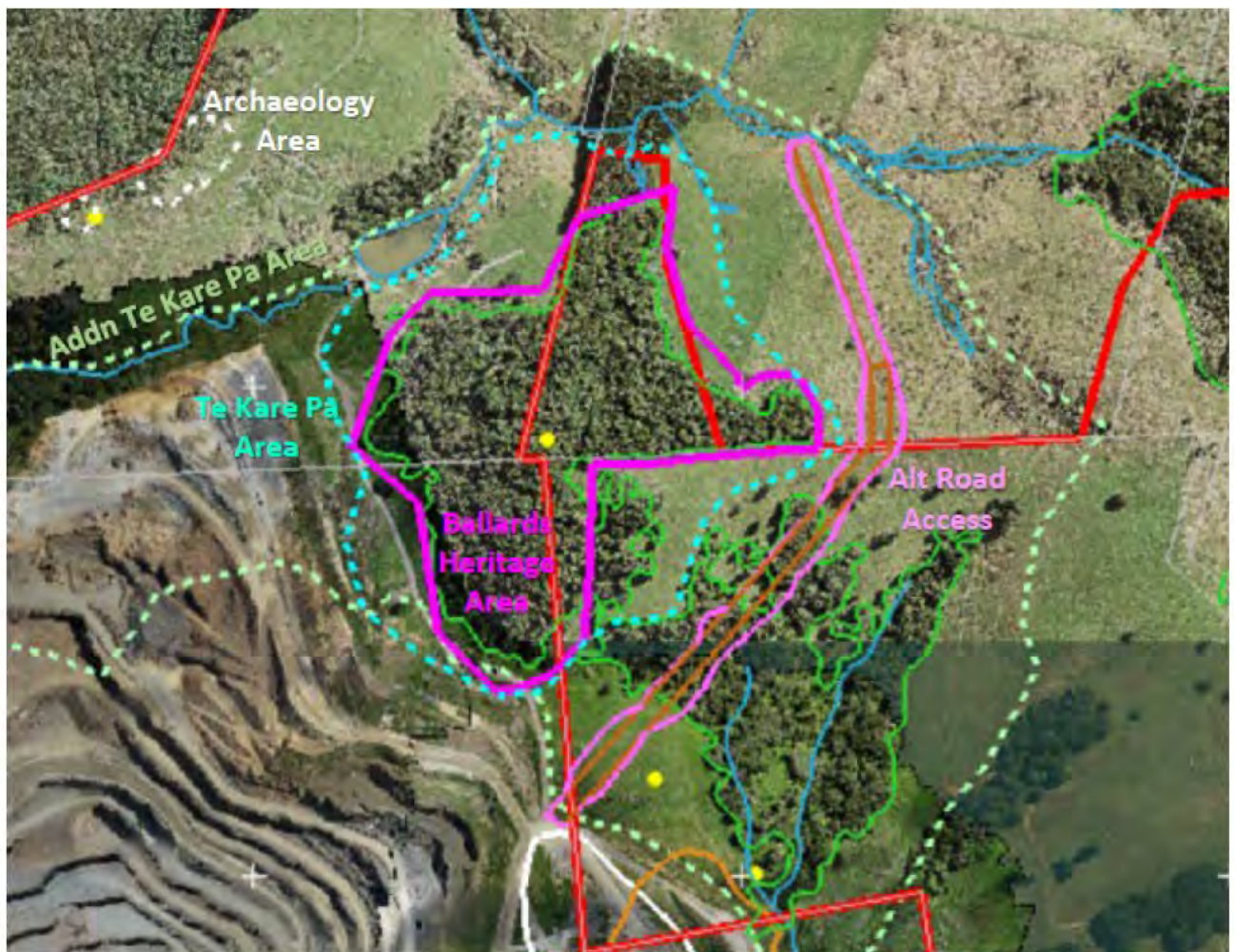


Figure 5 – Alternative haul road shown in light pink.

From's SAL's perspective, this route had some positives and negatives, but SAL was interested in exploring it. From a positive perspective this route will result in a lot less cut and fill earthworks than the original route. From a negative perspective it would be a lot more difficult to consent given the route was outside the Special Purpose - Quarry Zone, and also had native vegetation across part of it (and was covered by a Significant Ecological Area overlay).

As a first step, SAL socialised the idea with all five iwi groups and offered to facilitate iwi walking the route. SAL arranged for survey markers to be placed on the ground where the alternative route was proposed.

On 12 December 2022, SAL arranged for iwi to walk over the alternative route. Representatives from Ngāti Whanaunga, Ngāi Tai Ki Tamaki and Te Ākitai Waiohū indicated they would attend, but on the day only the Ngaati Whanaunga representative was able to attend (meeting minutes provided as Attachment 15 at **Appendix 2**). Due to the uneven terrain, only a short portion of the walk could be conducted.

On 13 December 2022 representatives from Ngaati Te Ata Waiohū and Ngāti Tamaoho walked the full route of the alternative haul road with SAL representatives (meeting minutes provided as Attachment 9 at **Appendix 2**).

SAL sought feedback from all iwi, and on 21 December 2022 that feedback was collated into an email (provided at Attachment 10 in **Appendix 2**). That feedback is provided below:

Iwi	Walked route?	Preferred route	Comments
Ngāti Tamaoho	Yes	Original route	Alternate route <i>"is not culturally acceptable. There is too much effects on the natural landscape"</i> .
Ngāti Te Ata	Yes	Original route	Was not a deal breaker either way but had concerns that alternate route was another cut in the earth. One cut (ie original, existing route) is best.
Ngāti Whanaunga	Looked at it from the start	No feedback	
Ngāi Tai ki Tamaki	No	Indicated they were neutral.	
Te Ākitai Waiohū	No	No feedback	

In that email, it was indicated that based on the feedback received SAL would continue with the original (existing) route up the western side of Kaarearea Paa / Ballards Cone.

6.4. Vibration effects on Kaarearea Paa / Ballards Cone

As a result of the haul road remaining in its existing proposed location, Ngāti Tamaoho still had some concerns about vibration impacts on Kaarearea Paa / Ballards Cone. In particular, there are understood to be stone structures / taonga within Kaarearea Paa / Ballards Cone.

SAL considered this concern and thought this could be alleviated by the provision of an electric conveyor belt. This electric conveyor belt would transport rock from the Sutton Block through to the processing plant (on the edge of the existing pit and within the front of house area).

Quarry trucks would still be required in the start up phase of the quarry, and to remove overburden. But for most of the quarry life, a conveyor belt would be used to transport rock. This will result in a lot less truck movements going past Kaarearea Paa / Ballards Cone, and therefore less potential vibration.

SAL have also added a vibration monitoring site on the north side of Kaarearea Paa / Ballards Cone to inform future blasting controls in the Sutton Block.

6.5. Offsite mitigation

SAL has a large landholding across the Drury Quarry site. All mitigation relating to vegetation loss is able to be accommodated onsite. However, there will also be stream and wetland loss and mitigation and compensation relating to this that cannot all be accommodated onsite. Therefore, SAL began looking into offsite stream and wetland mitigation sites. A full list of the off-site mitigation options considered is provided at **Appendix 7**. Those options specifically discussed or recommended by iwi

groups is provided below.

As outlined below, extensive investigations across many sites were considered, although ultimately they were not ideal offsite locations for stream and wetland mitigation. SAL decided to progress with the Tuakau farm site as this was considered to be the best ecological option. Ngaati Te Ata Waiohau were primarily involved in this consideration of alternatives, and ultimately agreed that SAL had considered all options and therefore the Tuakau Farm site was the best option.

Options investigated	Discussion	Outcome
Discuss with Ngāti Tamaoho and Ngāi Tai Ki Tamaki (early 2022)	During regular hui SAL asked whether either iwi had suggestions for offsite mitigation locations.	- Ngāti Tai Ki Tamaki suggested discussing opportunities with Angela Fulljames (Franklin Local Board). - No suggestions forthcoming from Ngāti Tamaoho.
Discussion with Angela Fulljames of the Franklin Local Board (April 2022)	Email to Angela and further correspondence to discuss whether she is aware of any offsite mitigation locations in the Franklin District.	- This resulted in a Teams call with Angela and Malcolm Bell (also from the Franklin Local Board). - One of the options that came out of this discussion was Camp Adair in Hunua, and another property adjoining Camp Adair (35 Ti Tree Way).
Camp Adair and adjoining property (35 Te Tree Way)	- Desktop investigation undertaken by ecologist (Memo 2). - Visit to Camp Adair in May 2022. Meeting included Lynette Penrose from Ngāi Tai Ki Tamaki.	- Camp Adair - Good uplift on one side of stream. 35 Te Tree Way – good uplift but access would only be on one side.
Seek to utilise the wider Tuakau sand quarry farm (which SAL lease part of for the sand quarry) (April 2022)	Desk top investigation undertaken by ecologist (Memo 2).	Considered a very good option due to good restoration uplift and significant length of stream and wetland rehabilitation available.
Te Maketu Reserves (May 2022)	Lynette Penrose from Ngāi Tai Ki Tamaki suggested these three reserve sites close to Drury Quarry.	These sites required revegetation, but did not have much stream length, and no wetland features, so would not provide the type of vegetation that would work for Auckland Council.
Compared Camp Adair site with Tuakau Farm site (June 2022)	Ecologist visited both these sites and compared which would be the best for stream and wetland mitigation (Memo 3).	Ecologist concluded the following: <i>"With good design, planting plans, maintenance and pest control both of these sites would rapidly show a net gain in ecological values, show additionality and have the potential to link larger ecosystems and or create extensive riparian corridors. That stated, the potential of the Booker Farm site is outstanding, and one of the best sites for enhancement, restoration, creation and rehabilitation of aquatic habitats available close to Auckland"</i>.
Discussed offsite mitigation with Ngaati Te	- Karl Flavell suggested three options to consider: <u>Oira Stream</u> - Bounded by Oira	- Discussed in table below. - SAL had done extensive investigations into these options and had reached dead ends.

Ata Waiohū (November 2022)	- Road, Jesmond Road and SH 22, Hingaia Stream - To the west of 120 Flanagan Road, Drury - Nga Motu o Hingaia – Hingaia Islands	Ngaati Te Ata Waiohū understood and appreciated the thoroughness and work SAL had gone to, to investigate these options.
Discussed offsite mitigation with Te Ākitai Waiohū – suggested Opaheke Pā (November 2022)	- Visited Opaheke Pā with Jeff. - On a positive note it was close to Drury Quarry. But there were no streams or wetlands on the site, so doesn't meet the requirements for offsite mitigation.	- SAL agreed there were good synergies here given its location close to Drury Quarry. - Potential for SAL to be involved with this site, outside the consenting process.
Iwi visit to Tuakau Farm (November 2022)	- Consultation was occurring for a consent at the Tuakau Sand Quarry. As part of the site visits for that project, SAL used it as an opportunity to show iwi representatives where mitigation across the site was being considered. - This included representatives from Ngāti Tamaoho and Te Ākitai Waiohū.	

In November 2022 Ngaati Te Ata Waiohū suggested some offsite mitigation locations to consider. Those locations and the investigations undertaken as discussed in the table below:

Opportunity	Comment from SAL	Comment from SAL Ecologist
<u>Oira Stream</u> This is a residential subdivision called Waipupuke and no offset required, so there will be stream length available. Bounded by Oira Road, Jesmond Road and SH 22.	SAL don't think this is a very long stream length. Project ecologist is Chris Wedding. Chat with him indicated this didn't seem like a great option in terms of length or width.	- The stream is often very narrow and this would not be a good financial choice for SAL as (1) the ECR would require a huge amount of stream length and (2) you are working with numerous land owners. - For the Waipupuke Site is likely to be one of the Plan Change areas and that will be almost certainly be required to riparian plant as part of any subdivision. - Most importantly there are barely any streams in the whole land parcel, and the stream that is there appears to have formed a linear wetland.
<u>Hingaia Stream</u> To the west of 120 Flanagan Road, Drury Kiwi Property site. Some mitigation planting has been done as part of the precinct rules, when development is undertaken. They would like SAL to do - planting greater than 10m along riparian edges, and - other stream length in the precinct which has not been planted yet.	- Met with project Planner over Teams. - SAL concerned planting some additional depth is not going to be enough - SAL concerned that this riparian planting is already going to be done as part of the precinct provisions (if development occurs) so I can't see Council allowing SAL to swoop in and do it.	- There is development, roading and bridges proposed in this area. The restoration of the Hingaia would likely form part of that package. On the western side some of the yard would be affected by the SH1 improvements. - Also potential issues with motorway widening and shared path. Also this land likely to be administered by Auckland Council as esplanade reserve. - A large block on the western side is owned by the crown. I think the transport agency bought it with the motorway widening, and Kiwi Property Holdings No. 2 Limited, who own the eastern side are planning on subdivision, so 1. They would be required to provide a 20m Esplanade Reserve, which they would likely have to manage i.e. plant for at least 10m and 2. Any PC would require they plant stream banks as part of the subdivision.
<u>Nga Motu o Hingaia</u> These islands have been partially rehabilitated as part of the Aurunga subdivision	- Plan Change 6 (Aurunga B1 Drury West) allows for "like for unlike" mitigation – the stream loss at Aurunga was mitigated by planting on the islands. - Discussed with Graham Ussher, Aurunga ecologist. He noted that the islands have terrestrial revegetation opportunities and also salt marsh opportunities.	Would be compensation rather than offset as we are working with coastal vegetation and salt marsh habitats. Key issue is that there is not enough wetland mitigation available and no streams.

7. ADDENDUM – STAGE 5 PIT PLANS

The Sutton Block pit was originally proposed to be developed in four stages over a 50-year period, with 'Stage 4' being the final stage (full extent). In mid-late 2024 SAL reconsidered these plans and added a fifth stage, expanding the pit footprint over the same 50-year period. The rationale for this change is a combination of factors including the increased demand for aggregate likely in the future. At that point, SAL was three years into preparing a consent application for this expansion. However, it was very clear that there is significant difficulty and time required to consent this expansion, and therefore it was decided to apply for the expansion now, rather than in the future.

On 10 September 2024 SAL emailed all iwi groups and outlined the proposed changes. Throughout November 2024, SAL set up hui with all iwi groups to talk through the proposed changes. This included the provision of a memo and maps (**Appendix 7**) which outlined the changes and compared the previous pit plans to Stage 5 pit plans.

In mid-February 2025 SAL had finally prepared the updated AEE specialist reports to reflect the Stage 5 changes. All iwi were then given the opportunity to attend another hui on 18 and 19 February 2025 to talk through the proposed changes. At this time an updated memo and maps (**Appendix 8**) was provided to iwi, along with the updated AEE.

One of the key changes is that terrestrial mitigation planting is now proposed on Ngā Motu o Hingaia. The additional vegetation to be removed to make way for the expanded stage 5 will allow for planting across these islands. This is subject to approval from DOC. There are three iwi which DOC work closely with on these islands – Ngaati Te Ata Waiohua, Te Ākitai Waiohua and Ngāti Tamaoho. Discussions are ongoing.

Appendix 1 - Engagement Log

Drury Quarry Expansion Iwi Engagement

AS AT 26 MARCH 2025

Ngāti Tamaoho (NT)

Date	Engagement	Response	Actions and Outcome
5 November 2021	NT and SAL initial catch-up with Edith Tuhimata, Zach Sirett and Lucie Rutherford (NT) and Jo Young (SAL)		Meetings minutes - Attachment 1.
18 November 2021	First walkover and viewing of the proposed Drury Quarry expansion area. Lucie, Edith, Zach, Dennis Kirkwood (NT), Jo and Kurt (SAL) attended.		
13 December 2021	Regular NT and SAL hui with Lucie, Edith, Zach, Jo and Kurt.		Meetings minutes - Attachment 2.
15 December 2021	Archaeological site walkover of the expansion area with Kim Tatton (project archaeologist) and Edith (NT).		
24 January 2022	Regular NT and SAL hui with Lucie, Edith, Zach, Jo and Kurt.		Meetings minutes - Attachment 3.
11 March 2022	Email Invitation to the Drury Quarry Information sessions held 17-20 March and 26 – 27 March.	Did not attend.	
21 June 2022	Regular NT and SAL hui with Edith, Lucie (NT) and Jo (SAL)		Meetings minutes - Attachment 4.
19 July 2022	Regular NT and SAL hui with Edith and Lucie (NT) and Jo (SAL)	Cost estimate for CVA agreed.	Meetings minutes - Attachment 5.
3 October 2022	Regular NT and SAL hui with Edith, Dennis and Lucie (NT) and Jo (SAL)		Meetings minutes - Attachment 6.
13 October 2022	NT CVA received.		
28 October 2022	In person hui and site walkover with NTA and NT representatives. Edith and		Meetings minutes - Attachment 7.

	Lucie attended for NT. Much discussion of the CVA.		Key issues including: • Consideration of alternate haul road; • Consideration of offsite mitigation closer to Drury Quarry.
15 November 2022	Teams meeting with NTA and NT representatives, Lucie and Edith represented NT.		Meetings minutes - Attachment 8.
18 November 2022	Site walkover and hui in relation to protection of Kārearea pā. Attendees included NTA (David), NT (Edith) and Auckland Council (Matt Gauge, Senior Policy Planner – Plans and Places).		Auckland Council meeting minutes – Attachment 32
13 December 2022	In person site walkover of the potential alternate haul road with NT (Edith) and NTA (David) representatives.		Walkover minutes / notes - Attachment 9. All iwi were asked for feedback in relation to whether they supported the original haul route or the alternate haul route.
20 December 2022	Text feedback from Edith that NT supported the original haul route, as the alternate route <i>“is not culturally acceptable. There is too much effect on the natural landscape”</i> .		
21 December 2022	Email sent out to all iwi (that wish to engage) regarding decision to remain with the original haul road route. If any iwi disagreed with this decision they were asked to get in touch.	No response from NT, as expected given SAL were pursuing the original haul road.	Provided as Attachment 10.
14 February 2023	Teams meeting with Edith and Karl from Ngāti Te Ata. Lucie had no comms due to cyclone. Chris Wedding (Bioresearches Ecologist) presented about vegetation loss and mitigation. Kate Fleckert (Bioresearches Ecologist) presented about freshwater loss and mitigation and Tom Lines (Boffa Miskell Landscape Architect) presented on mitigation proposed as a result of visual assessments.		Meeting minutes – Attachment 16

20 February 2023	Auckland Council (Matt Gauge) convened a meeting with NTA, NT and SAL to try to reach consensus on Kārearea Pā protection area. Attendees for Matt (AC), Jo and Kurt (SAL) and Lucie (NT).		Auckland Council meeting minutes – Attachment 33
12 April 2023	Another site walkover to discuss the Kārearea pā protection extent with NTA and NT. Attendees included Dennis, Lucie, Edith, Ben, Beau (NT), Karl and Paora (NT), Ben Hussey, James Milne, Jo and Tara (SAL) Matt Gouge and Nico Pereira (AC).	NT were going to consider the extent proposed by SAL.	Edith (NT) responded on 10 May 2023 outlining the extent they were comfortable with.
23 May 2023	Regular hui with Ngāti Tamaoho.		Meeting minutes – Attachment 18
15 June 2023	Cultural induction, lunch and hui at NT offices. NT		Meeting minutes – Attachment 22
20 July 2023	Regular hui with Ngāti Tamaoho. In person at Drury Quarry. As a result of the cultural induction, SAL presented some options to amend the pit plan, and the use of an electric conveyor. Visited the new NT nursery on Fitzgerald Road. Discussed how SAL could assist NT with the start up and ongoing operation.	NT to consider pit plan amendments and get back to SAL about preferred option. Initial indications were positive, including moving the pit north. Edith to reach out to Kurt when they need aggregate for the driveway.	Meeting minutes – Attachment 23
14 September 2023	Regular hui with NT – in person at Drury Quarry. SAL presented updated pit plans following feedback from July hui.	Lucie, Edith and Beau were all comfortable with the updated plans, and expressed their thanks for being part of a meaningful engagement process with NT.	Meeting minutes – Attachment 24
24 October 2023	Regular hui with NT – via Teams.		Meeting minutes – Attachment 25
28 November 2023	Workshop with iwi and project consultants to talk through the various aspects of the application. All iwi were invited. Those that attended included reps from all 5 iwi, approximately 10	Action on iwi to start preparing CVA's	Meeting minutes – Attachment 36

	consultant specialists (groundwater, archaeology, Landscape, Planner, ESC, blasting, ecology) And SAL reps.		
23 January 2024	Regular hui with NT – via Teams.		Meeting minutes – Attachment 37
20 February 2024	Kaarearea paa plan change hui lead by Auckland Council. Included SAL, NT and NTA.		Meeting minutes – Attachment 38
27 February 2024	Regular hui with NT – via Teams.		Meeting minutes – Attachment 39
26 March 2024	Visit to solar farm site		N/A
23 April 2024	Regular hui with NT – via Teams.		Meeting minutes – Attachment 40
28 May 2024	Regular hui with NT – via Teams.		Meeting minutes – Attachment 41
25 June 2024	Regular hui with NT – via Teams.		Meeting minutes – Attachment 42
23 July 2024	Regular hui with NT – via Teams.		Meeting minutes – Attachment 43
28 August 2024	Regular hui with NT – via Teams.		Meeting minutes – Attachment 44
10 September 2024	Email to all iwi outlining additional stage (stage 5) added to pit plan.		Memo and plans– Attachment 46
25 September 2024	Regular hui with NT – via Teams.		Meeting minutes – Attachment 45
22 October 2024	Regular hui with NT – via Teams.		Meeting cancelled
26 November 2024	Hui with NT to discuss stage 5		Meeting minutes – Attachment 47
28 January 2025	Regular hui with NT – via Teams.		Meeting minutes – Attachment 48
18 February 2025	Overview of stage 5 plans and provide updated AEE		Meeting minutes – Attachment 49
28 February 2025	Hui re Ngā Motu o Hingaia between DOC, SAL and iwi groups		Meeting minutes – Attachment 59 (still in draft)

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Ngaati Te Ata (NTA)

Date	Engagement	Response	Actions and Outcome
11 March 2022	Email Invitation to the Drury Quarry Information sessions held 17-20 March and 26 – 27 March.	Did not attend, but Karl Flavell got in touch to let SAL know NTA would like to engage further.	Electronic versions of the info boards sent to Karl and site visit set up.
11 April 2022	Visit to expansion area with Karl (TAW), Jo and Kurt (SAL).		Karl requested the draft archaeological report when it became available.
19 April 2022	Karl sent through fee estimate to prepare CVA	Approved on 21 April 2022.	
22 June 2022	Sent draft archaeological report through to Karl.		
28 October 2022	In person hui and site walkover with NTA and NT representatives. Karl Flavell attended for NTA.		Meetings minutes - Attachment 7 . Key issues including: • Consideration of alternate haul road; • Consideration of offsite mitigation closer to Drury Quarry.
15 November 2022	Teams meeting with NTA and NT representatives, Lucie and Edith represented NT.		Meetings minutes - Attachment 8 .
18 November 2022	Site walkover and hui in relation to protection of Kārearea pā. Attendees included NTA (David), NT (Edith) and Auckland Council (Matt Gauge, Senior Policy Planner – Plans and Places).		Field report from NTA - Attachment 11 . Auckland Council minutes – Attachment 32
13 December 2022	Regular catch up with Karl via Teams to talk through actions.		Meetings minutes - Attachment 12 .

13 December 2022	In person site walkover of the potential alternate haul road with NT (Edith) and NTA (David) representatives.		Walkover minutes / notes - Attachment 9 . All iwi were asked for feedback in relation to whether they supported the original haul route or the alternate haul route. Field report from NTA – Attachment 13 .
21 December 2022	Email sent out to all iwi (that wish to engage) regarding decision to remain with the original haul road route. If any iwi disagreed with this decision they were asked to get in touch.	Karl responded providing further clarification and rationale for NTA decision to support original haul road route. Refer Attachment 10 .	
14 February 2023	Teams meeting with Edith (NT) and Karl. Lucie (NT) had no comms due to cyclone. Chris Wedding (Bioresarches Ecologist) presented about vegetation loss and mitigation. Kate Fleckert (Bioresarches Ecologist) presented about freshwater loss and mitigation and Tom Lines (Boffa Miskell Landscape Architect) presented on mitigation proposed as a result of visual assessments.		Meeting minutes – Attachment 16 Jo to investigate offsite mitigation at Ngā Motu o Hingaia again and report back to Karl. Karl will investigate other stream opportunities.
20 February 2023	Auckland Council (Matt Gauge) convened a meeting with NTA, NT and SAL to try to reach consensus on Kārearea Pā protection area. Attendees for Matt (AC), Jo and Kurt (SAL) and Lucie (NT). Karl did not attend.		Meeting minutes – Attachment 33
12 April 2023	Another site walkover to discuss the Kārearea pā protection extent with NTA and NT. Attendees included Dennis, Lucie, Edith, Ben, Beau (NT), Karl and Paora (NT), Ben Hussey, James Milne, Jo and Tara (SAL) Matt Gouge and Nico Pereira (AC).	NT were going to consider the extent proposed by SAL.	Edith (NT) responded on 10 May 2023 outlining the extent they were comfortable with. Karl (NTA) comfortable to follow NT lead on this.

16 May 2023	Regular hui with Karl (NTA). Karl, Jo and Kurt Hine (SAL) attended via Teams		Meeting minutes – Attachment 19
7 July 2023	Regular hui with Karl (NTA), Jo and Kurt (SAL) via Teams. Jo presented an update on how things were progressing with NT pit discussions		Meeting minutes – Attachment 26
24 July 2023	Regular hui with Karl (NTA), Jo and Kurt (SAL) via Teams.		Meeting minutes – Attachment 27
31 August 2023	Regular hui with Karl (NTA), Jo and Kurt (SAL) via Teams. Presented updated pit plans as agreed with NT. Karl satisfied with change, and noted that the plans had evolved and NTA comments had been accommodated.		Meeting minutes – Attachment 28
10 October 2023	Regular hui with Karl (NTA), Jo and Kurt (SAL) via Teams.		Meeting minutes – Attachment 29
14 November 2023	Regular hui with Karl (NTA), Jo and Kurt (SAL) via Teams.		Meeting minutes – Attachment 31
28 November 2023	Workshop with iwi and project consultants to talk through the various aspects of the application. All iwi were invited. Those that attended included reps from all 5 iwi, approximately 10 consultant specialists (groundwater, archaeology, Landscape, Planner, ESC, blasting, ecology) and SAL reps. Those that attended included Karl and Paora from NTA.		Meeting minutes – Attachment 34 Presentation – Attachment 35
15 December 2023	Regular hui with Karl (NTA), Jo and Kurt (SAL) via Teams.		Meeting minutes – Attachment 50

13 February 2024	Regular hui with Karl (NTA), Jo and Kurt (SAL) via Teams.		Meeting minutes – Attachment 51
20 February 2024	Kaarearea paa plan change hui lead by Auckland Council. Included SAL, NT and NTA.		Meeting minutes – Attachment 38
27 February 2024	Teams call with NTA (Karl) to run through the western façade application.		N/A
12 March 2024	Regular hui with Karl (NTA), Jo and Kurt (SAL) via Teams.		Meeting minutes – Attachment 52
11 April 2024	Visit to solar farm site		N/A
22 May 2024	Regular hui with Karl (NTA), Jo and Kurt (SAL) via Teams.		Meeting minutes – Attachment 53
10 September 2024	Email to all iwi outlining additional stage (stage 5) added to pit plan.		Memo and plans– Attachment 46
15 October 2024	Regular hui with Karl (NTA), Jo and Kurt (SAL) via Teams.		Meeting minutes – Attachment 54
1 November 2024	Hui with Karl (NTA), Jo and Kurt (SAL) via Teams to discuss stage 5		Meeting minutes – Attachment 55
19 November 2024	Regular hui with Karl (NTA), Jo and Kurt (SAL) via Teams		Meeting minutes – Attachment 56
21 January 2025	Regular hui with Karl (NTA), Jo, Tara and Kurt (SAL) via Teams.		Meeting minutes – Attachment 57
18 February 2025	Overview of stage 5 plans and provide updated AEE		Meeting minutes – Attachment 58
28 February 2025	Hui re Ngā Motu o Hingaia between DOC, SAL and iwi groups		Meeting minutes – Attachment 59 (still in draft)
3 March 2025	Hui regarding SAL solar plan application		Meeting minutes – Attachment 60

Te Ākitai Waiohū (TAW)

Date	Key Engagement moments	Response	Actions and Outcome
11 March 2022	Email Invitation to the Drury Quarry Information sessions held 17-20 March and 26 – 27 March.	Did not attend.	
20 April 2022	Email seeking to confirm whether iwi wish to be consulted regarding the resource consent application	No response.	
23 May 2022	Email seeking to confirm whether iwi wanted to be consulted in relation to another of SAL's resource consent applications (managed fill application)	Received a response from Jeff Lee on 26 May that they did wish to engage.	
20 June 2022	Jeff Lee came out to Drury Quarry and looked over the various projects underway including the asphalt plant and the expansion area.	At this visit Jeff verbally indicated TAW would like to be engage in relation to the expansion project, and a CVA would be required.	
22 June 2022	Draft archaeological report sent through to Jeff		
24 November 2022	In person hui and site walkover with TAW, NTKT and NW representatives.		Meeting minutes - Attachment 14.
1 December 2022	Jeff sent through fee estimate to prepare CVA.	Approved by SAL on 20 December and sent back to Jeff.	
1 December 2022	Jeff and Jo met in person in relation to a consent at the Tuakau sand quarry site. Jeff was shown the proposed location for the Drury expansion offsite stream and wetland mitigation along the Waikato River.		
1 December 2022	Jo and Jeff visited Māketu and Opāheke pā sites. These are located close to Drury Quarry, and there was some consideration as to whether these could be mitigation sites.		Feedback to Jeff that these are not stream mitigation sites that would work for this project, but maybe we can work together outside the consent process to get the same outcome.

12 December 2022	In person hui and site walkover of the potential alternate haul road with TAW, NTKT and NW representatives. Unfortunately Jeff had to pull out 15 minutes before the start due to illness.		Meeting minutes sent to Jeff - Attachment 15 . All iwi were asked for feedback in relation to whether they supported the original haul route or the alternate haul route. No response from TAW.
21 December 2022	Email sent out to all iwi (that wish to engage) regarding decision to remain with the original haul road route. If any iwi disagreed with this decision they were asked to get in touch. Refer Attachment 10 .	No response	
14 February 2023	Teams call with NTKT, TAE and NW. Rev from NTKT only iwi to attend along with Jo, Kurt and Anne-Marie from SAL. Chris Wedding (Bioresearches Ecologist) presented about vegetation loss and mitigation. Kate Fleckert (Bioresearches Ecologist) presented about freshwater loss and mitigation and Tom Lines (Boffa Miskell Landscape Architect) presented on mitigation proposed as a result of visual assessments.	Text message from Jeff at start of meeting that he had a clash and couldn't attend.	Meeting minutes – Attachment 17 .
29 March 2023	Drury Expansion Onsite hui with Ngai Tai ki Tamaki, Ngāti Whanaunga and Te Ākitai Waiohū. Attended by Stuart Renata (NW, Rev Butler (NTKT), Jo and Tara (SAL). Apologies from Kurt (SAL) and Jeff Lee (TAW).		Meeting minutes – Attachment 20
17 May 2023	Drury Expansion hui with Ngai Tai ki Tamaki, Ngāti Whanaunga and Te Ākitai Waiohū. Attended by Rev Butler (NTKT), Jeff Lee (TAW), Jo, Kurt and Tara (SAL). Apologies from Stuart Renata (NW),		Meeting minutes – Attachment 21
13 October 2023	Drury Expansion hui with Ngai Tai ki Tamaki, Ngāti Whanaunga and Te Ākitai Waiohū. Attended by Rev Butler (NTKT), Jeff Lee (TAW), Stuart Renata (NW), Jo, Kurt and Tara (SAL). Gave an update on where NT and NTA engagement on Kārearea pā had got to, and then undertook a site visit to expansion area.		Meeting minutes – Attachment 30

28 November 2023	Workshop with iwi and project consultants to talk through the various aspects of the application. All iwi were invited. Those that attended included reps from all 5 iwi, approximately 10 consultant specialists (groundwater, archaeology, Landscape, Planner, ESC, blasting, ecology) And SAL reps. Those that attended included Jeff Lee from TAW		Meeting minutes – Attachment 34 Presentation – Attachment 35
29 April 2024	Pre-commencement hui for western façade tree removal		N/A
9 May 2024	Western façade tree removal blessing – let by TAW		N/A
10 September 2024	Email to all iwi outlining additional stage (stage 5) added to pit plan.		Memo and plans– Attachment 46
19 February 2025	Overview of stage 5 plans and provide updated AEE		Meeting minutes – Attachment 61
28 February 2025	Hui re Ngā Motu o Hingaia between DOC, SAL and iwi groups		Meeting minutes – Attachment 59 (still in draft)

Ngāi Tai Ki Tamaki (NTKT)

Date	Engagement	Response	Actions and Outcome
20 September 2021	Teams hui to discuss the private plan change proposed for Clevedon Quarry.		Minutes not provided as not directly related to the Drury expansion project.
9 December 2021	Clevedon Quarry Community Liaison Group (CLG) meeting. NTKT are an integral part of the CLG. In person. Lynette Penrose attended for NTKT.		N/A
31 March 2022	Community Liaison Group (CLG) meeting. Lynette was an apology for this meeting.		N/A

12 April 2022	Site visit to Clevedon Quarry with Lynette and Gabriel from NTKT.		N/A
4 May 2022	Onsite meeting at Camp Adair to discuss opportunities for offsite mitigation for the Drury expansion along the Wairoa River. Various members of the community attended, including Lynette Penrose for NTKT.		N/A
18 May 2022	SAL and NTKT hui held at Umupuia Marae (home of NTKT). Attendees included James Brown, Lynette Penrose and Gabrielf Kirkwood (NTKT) and Ben Hussey, Kurt Hine, Tara Edwards-Tusa and Jo Young (SAL).		Minutes not provided as not directly related to the Drury expansion project.
11 March 2022	Email Invitation to the Drury Quarry Information sessions held 17-20 March and 26 – 27 March.	Did not attend.	N/A
20 April 2022	Email seeking to confirm whether iwi wish to be consulted regarding the resource consent application	No response	
16 June 2022	Community Liaison Group (CLG) meeting. Lynette was an apology for this meeting.		N/A
20 July 2022	Regular scheduled Teams call with NTKT. Jo, Kurt and Tara from SAL attended but no one from NTKT attended this meeting so it was abandoned.		N/A
2 August 2022	Phone call with Lynette Penrose. Lynette mentioned that NTKT missed the managed fill workshop and site visit as they don't have enough staff to manage this yet. Jo offered to take new engagement person on a visit to Drury Quarry at any time.		N/A
10 August 2022	Regular scheduled Teams call with NTKT. Jo and Tara from SAL attended but no one from NTKT attended this meeting so it was abandoned.		N/A
15 September 2022	Community Liaison Group (CLG) meeting. Lynette did not attend.		N/A
24 November 2022	In person hui and site walkover with TAW, NTKT and NW representatives. Stuart Renata for NW attended.		Meeting minutes - Attachment 14.

8 December 2022	Community Liaison Group (CLG) meeting. NTKT representative Lynette Penrose did not attend this meeting.		N/A
12 December 2022	In person hui and site walkover of the potential alternate haul road with TAW, NTKT and NW representatives. Unfortunately Lynette could not attend as it conflicted with other meetings she had to attend.		Meeting minutes sent to Lynette- Attachment 15 . All iwi were asked for feedback in relation to whether they supported the original haul route or the alternate haul route. Verbal comment from Lynette over the phone was the NTKT were neutral.
21 December 2022	Email sent out to all iwi (that wish to engage) regarding decision to remain with the original haul road route. If any iwi disagreed with this decision they were asked to get in touch. Refer Attachment 10 .	No response	
14 February 2023	Teams call with NTKT, TAE and NW. Rev from NTKT only iwi to attend along with Jo, Kurt and Anne-Marie from SAL. Chris Wedding (Bioresarches Ecologist) presented about vegetation loss and mitigation. Kate Fleckert (Bioresarches Ecologist) presented about freshwater loss and mitigation and Tom Lines (Boffa Miskell Landscape Architect) presented on mitigation proposed as a result of visual assessments. Because Rev was only iwi that attended, and new to the project we also gave him an overview of the project, and wider discussion regarding the NTKT and SAL relationship.	Text message from Jeff at start of meeting that he had a clash and couldn't attend.	Meeting minutes – Attachment 17 .
16 March 2023	Visit to Clevedon Quarry. Tara and Jo showing Rev around.		N/A
29 March 2023	Visit to Drury Quarry. Mike Buckley and Jo showing Rev around.		
29 March 2023	Drury Expansion onsite hui with Ngai Tai ki Tamaki, Ngāti Whanaunga and Te Ākitai Waiohua. Attended by Stuart Renata (NW), Rev Butler (NTKT), Jo and Tara (SAL). Apologies from Kurt (SAL) and Jeff Lee (TAW).		Meeting minutes – Attachment 20

17 May 2023	Drury Expansion hui with Ngai Tai ki Tamaki, Ngāti Whanaunga and Te Ākitai Waiohū. Attended by Rev Butler (NTKT), Jeff Lee (TAW), Jo, Kurt and Tara (SAL). Apologies from Stuart Renata (NW).		Meeting minutes – Attachment 21
13 October 2023	Drury Expansion hui with Ngai Tai ki Tamaki, Ngāti Whanaunga and Te Ākitai Waiohū. Attended by Rev Butler (NTKT), Jeff Lee (TAW), Stuart Renata (NW), Jo, Kurt and Tara (SAL). Gave an update on where NT and NTA engagement on Kārearea pā had got to, and then undertook a site visit to expansion area.		Meeting minutes – Attachment 30
28 November 2023	Workshop with iwi and project consultants to talk through the various aspects of the application. All iwi were invited. Those that attended included reps from all 5 iwi, approximately 10 consultant specialists (groundwater, archaeology, Landscape, Planner, ESC, blasting, ecology) And SAL reps.		Meeting minutes – Attachment 34 Presentation – Attachment 35
10 September 2024	Email to all iwi outlining additional stage (stage 5) added to pit plan.		Memo and plans– Attachment 46
30 October 2024	Hui with NTKT to discuss a number of matters including the stage 5 expansion.		Meeting notes – Attachment 62
18 February 2025	Overview of stage 5 plans and provide updated AEE		Meeting notes – Attachment 63

Ngāti Whanaunga (NW)

Date	Engagement	Response	Actions and Outcome
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11 March 2022	Email Invitation to the Drury Quarry Information sessions held 17-20 March and 26 – 27 March.	Did not attend.	
20 April 2022	Email seeking to confirm whether iwi wish to be consulted regarding the resource consent application	No response	
23 May 2022	Email seeking to confirm whether iwi wanted to be consulted in relation to another of SAL's resource consent applications (managed fill application)	Mike Baker indicated he wished to be involved.	
21 July 2022	Site walkover of the managed fill area, and following this group hui Mike was taken up to the expansion area.	Mike Baker indicated he wished to be involved.	
24 November 2022	In person hui and site walkover with TAW, NTKT and NW representatives. Stuart Renata for NW attended.		Meeting minutes - Attachment 14.
15 December 2022	Mike Baker sent through fee estimate to prepare CVA.	Approved by SAL on 16 December and sent back to Mike	
12 December 2022	In person hui and site walkover of the potential alternate haul road with TAW, NTKT and NW representatives. Unfortunately TAW and NTKT reps pulled out at short notice. Stuart Renata attended for NW and we both agreed a hui would be pointless, but Stuart came up to the start of the alternate haul route to get a feel for the route.		Meeting minutes sent to Stuart and Mike. Refer Attachment 15. All iwi were asked for feedback in relation to whether they supported the original haul route or the alternate haul route. No response from NW.
21 December 2022	Email sent out to all iwi (that wish to engage) regarding decision to remain with the original haul road route. If any iwi disagreed with this decision they were asked to get in touch. Refer Attachment 10.	No response	
14 February 2023	Teams call with NTKT, TAE and NW. Rev from NTKT only iwi to attend along with Jo, Kurt and Anne-Marie from SAL. Chris Wedding (Bioresearches Ecologist) presented about vegetation loss and mitigation. Kate Fleckert (Bioresearches Ecologist) presented about freshwater loss and mitigation and Tom Lines (Boffa Miskell Landscape	Text message from Jeff at start of meeting that he had a clash and couldn't attend.	Meeting minutes – Attachment 17.

	Architect) presented on mitigation proposed as a result of visual assessments.		
29 March 2023	Drury Expansion onsite hui with Ngai Tai ki Tamaki, Ngāti Whanaunga and Te Ākitai Waiohū. Attended by Stuart Renata (NW, Rev Butler (NTKT), Jo and Tara (SAL). Apologies from Kurt (SAL) and Jeff Lee (TAW).		Meeting minutes – Attachment 20
17 May 2023	Drury Expansion hui with Ngai Tai ki Tamaki, Ngāti Whanaunga and Te Ākitai Waiohū. Attended by Rev Butler (NTKT), Jeff Lee (TAW), Jo, Kurt and Tara (SAL). Apologies from Stuart Renata (NW),		Meeting minutes – Attachment 21
13 October 2023	Drury Expansion hui with Ngai Tai ki Tamaki, Ngāti Whanaunga and Te Ākitai Waiohū. Attended by Rev Butler (NTKT), Jeff Lee (TAW), Stuart Renata (NW), Jo, Kurt and Tara (SAL). Gave an update on where NT and NTA engagement on Kārearea pā had got to, and then undertook a site visit to expansion area.		Meeting minutes – Attachment 30
28 November 2023	Workshop with iwi and project consultants to talk through the various aspects of the application. All iwi were invited. Those that attended included reps from all 5 iwi, approximately 10 consultant specialists (groundwater, archaeology, Landscape, Planner, ESC, blasting, ecology) And SAL reps.		Meeting minutes – Attachment 34 Presentation – Attachment 35
10 September 2024	Email to all iwi outlining additional stage (stage 5) added to pit plan.		Memo and plans– Attachment 46
18 February 2025	Overview of stage 5 plans and provide updated AEE		N/A – NT did not attend

Waikato Tainui (WT)

Date	Engagement	Response	Actions and Outcome
11 March 2022	Email Invitation to the Drury Quarry Information sessions held 17-20 March and 26 – 27 March.	Did not attend.	
20 April 2022	Email seeking to confirm whether iwi wish to be consulted regarding the resource consent application	Kahurimu Flavell responded and sought to understand the proposal better	On 20 April the Community Engagement Boards from the open day were sent to Kahurimu. A Teams call to talk through the proposal was suggested by SAL. There was no response so a follow up email sent on 22/6/22.
20 July 2022	Teams meeting with Kahurimu to give an overview of the proposal.	Email following hui, from Kahurimu on 20/7/22 noted: <i>“Kia ora Jo, Thank you for our hui today, Waikato Tainui will not be providing a CIA for the Drury quarry expansion. However, Waikato Tainui support and endorse Mana Whenua Ngaati Tamaoho position in protecting Maketu Paa and would like to be engaged at a high level”.</i>	
8 December 2022	Kahurimu and Jo met in person in relation to a consent at the Tuakau sand quarry site. While chatting, Jo gave up general update on the expansion project. Kahurimu was also shown proposed location for offsite stream and wetland mitigation along the Waikato River.		
13 January 2022	Email to Kahurimu Flavell giving a high level overview of 2022 engagement activities.	Email response from Kahu on 17 January 2022 confirming receipt of email.	Requesting an update on outcome of offset mitigation. Let her know this is not resolved yet but I will let her know when it has been. In relation to our Tuakau proposal, gave me contact details of Te Taniwha.

Ngāti Maru

Date	Engagement	Response
11 March 2022	Email Invitation to the Drury Quarry Information sessions held 17-20 March and 26 – 27 March.	Did not attend.
20 April 2022	Email seeking to confirm whether iwi wish to be consulted regarding the resource consent application	No response

Ngāti Tamaterā

Date	Engagement	Response
11 March 2022	Email Invitation to the Drury Quarry Information sessions held 17-20 March and 26 – 27 March.	Did not attend.
20 April 2022	Email seeking to confirm whether iwi wish to be consulted regarding the resource consent application	No response

Te Ahiwaru - Waiohū

Date	Engagement	Response
11 March 2022	Email Invitation to the Drury Quarry Information sessions held 17-20 March and 26 – 27 March.	Did not attend.
20 April 2022	Email seeking to confirm whether iwi wish to be consulted regarding the resource consent application	Kowhai Olsen responded: <i>"On behalf of Te Ahiwaru, we are pleased and content to see our whanaunga (relatives) of Ngaati Tamaoho and Ngaati Te Ata are engaging. We will support any recommendations they may have toward environmental improvement and Te Tiriti fulfilment for Waiohū of the rohe".</i>

Appendix 2 - Hui Minutes

Attachment 1

From: [REDACTED]
To: [REDACTED]
Subject: Drury Quarry
Date: Rāmere, 05 Whiringa ā-rangi, 2021 4:06:00 p.m.
Attachments: [REDACTED]

Kia ora koutou Lucie, Edith and Zachary

Thanks so much for taking the time to kōrero with me about the Drury Quarry and Stevenson Aggregates long term aspirations. I think it was a great start and we now have a pathway to progress the relationship into the future.

The next steps are as follows:

Action	Explanation
Walkover of site	• Locked in for Thursday 18 November 2022. • I'll be in touch a few days before as to whether we meet in the morning or the afternoon. • I'll work on getting the edge of the proposed pit pegged out, as it relates to Ballards Cone.
Regular monthly catch ups	• I'll send out an invite once we discuss an appropriate day / time. •
Update of the Memorandum of Understanding	• Identify the right members of the NT & SAL governance teams to attend a hui where the ongoing relationship, including an MOU update will be discussed. • It's likely this may be early 2022, so that FH team members from Christchurch can attend.
Latest Archaeological Report	• The report from the northern pit extension consent is attached. • I'll also make sure Kim is aware that a member of your team would like to accompany her on her site walkover.
Ground water testing	A link to the latest groundwater report can be found in the email attached from Parviz Namjou from PDP. I was having issues opening the document, so let me know if you have problems.
Current draft plans of the proposal	The plans shown on the screen in the meeting will be sent through in a separate email (they are quite large). Could I ask that you keep these confidential? We have not talked to the surrounding community yet, as we would like more confirmed plans before we do that. Community engagement likely to commence in early 2022.
How is testing for contamination undertaken in the managed fill?	I've found out a bit more information about the managed fill operation. It has effectively been shut to the public since the end of 2020 and unlikely to re-open until October 2022. The only party using it are Drury South Holdings in relation to the ground works directly in front of the quarry. When accepting cleanfill (such as the Drury South Holdings fill) we do olfactory and visual inspections as the fill arrives. We also do XRF screening for every 100m3 of fill and lab test samples for every 500m3 of fill. If fill does not meet cleanfill standards we are happy to reject it, and have done in the past. When accepting managed fill we review the PSI/DSI prepared for the

	site to determine if we can accept it. If we agree to accept the fill, a contamination expert will oversee its removal from its current site. We will do olfactory and visual inspections when it arrives. If it does not match the PSI/DSI we do not hesitate to reject the fill, and ask owner to collect it.
--	---

Look forward to catching up with you all in person on the 18th. Don't hesitate to get in touch if any questions crop up in the meantime.

Ngā mihi nui

Jo Young | Natural Resources Planner | **Fulton Hogan Ltd**

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Attachment 2

From: [REDACTED]
Cc: [REDACTED]
Subject: FW: Drury Quarry extension - ecological mitigation
Date: Rāhina, 13 Hakihea, 2021 4:52:00 p.m.
Attachments: [image002.png](#)

Kia ora koutou,

Thanks for coming along to today's meeting. The next meeting is set for 24 January. And since I will forget everything over the Xmas break, the actions are follows:

Action	Responsibility
Send Ngāti Tamaoho team an email requesting hui with governance team to work on an updated MOU	Jo
Continue compiling inventory of stream and wetlands in the rohe that could benefit from rehabilitation planting.	Lucie
Send through all archaeological documents we have and latest pit plans	Jo

The topics of discussion at the January meeting will include:

- Potential mitigation planting
- Kicking off the Cultural Impact Assessment;
- Fee estimates.

I hope you all enjoy a nice relaxing holiday. Look forward to working with you all in 2022.

Ngā mihi nui

Jo Young | Natural Resources Planner | **Fulton Hogan Ltd**
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From: YOUNG, Jo

Sent: Rāmere, 03 Hakihea, 2021 3:06 p.m.

To: 'Lucie Rutherford' [REDACTED]

Cc: Edith Tuhimata [REDACTED] Zachary Sirett [REDACTED]

Subject: Drury Quarry extension - ecological mitigation

Kia ora Lucie

As I mentioned in our phone conversation, our ecologists have been on site and now have some ball park figures relating to stream, wetland and indigenous vegetation loss. The table below shows the approximate loss and the approximate mitigation required. This is still at a very rough stage, particularly as the Freshwater NPS currently doesn't allow for wetland loss.

Feature	Ball park loss	Ball park mitigation	Mitigation available on site?
---------	----------------	----------------------	-------------------------------

		required	
Stream	2.5km	8km	NO
Wetland	2.0ha	6.0ha	NO (but potential for smaller wetland)
Indigenous vegetation	10ha	TBC	YES, approx. 50ha reveg opportunity and 40ha reveg enhancement opportunity, so plenty of options.

As you can see in the table above, the mitigation requirements for streams and wetlands are quite large, and are unlikely to be able to be accommodated on our site. Therefore, it would be great to get insight from you as to whether you are aware of any potential sites for stream and wetland rehabilitation within the rohe.

I'll give you time to have a think about it, and we can have a chat at our scheduled meeting at 3.30 on Monday 13 December. I do have a meeting clash, but I am trying to change the other meeting. I'll come back to you if I am unsuccessful and we can figure out another time.

Ngā mihi nui

Jo Young | Natural Resources Planner | **Fulton Hogan Ltd**

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Attachment 3

From: [REDACTED]
To: [REDACTED]
Subject: Stevenson Aggregates Ngāti Tamaoho hui today - action points
Date: Rāhina, 24 Kohitātea, 2022 4:53:00 p.m.
Attachments: [image002.png](#)

Kia ora

Thanks for making today's hui. Action points listed below.

1. Filming in Ballard's Cone;	All agreed that filming in Ballard's Cone should not occur.
2. Cultural Impact Assessment;	Jo to send Edith through all of the project info. Once Edith has reviewed she will send through costs estimate.
3. Potential stream and wetland mitigation locations;	Edith, Zach and Lucie to talk with the wider Environment team. It would be great to get an update after that meeting.
4. Drury Quarry Asphalt Plant ;	Jo will arrange for the asphalt plant team to send through an introductory email to you all.
5. NT / SAL hui in 2022.	As discussed pre-Xmas Jo to send email through so Lucie can send this through to the management group for further discussion.
6. Combined Archaeological and Cultural Management Plan	Suggestion from Edith. Seems like a sensible idea. Let's keep it in mind as we move through the consenting process, and also put the idea to Kim Tatton.
7. Review of various reports	Edith would like to see copies of the ecology, archaeology, hydrology and erosion and sediment control reports. These will hopefully be available around April.

Jo Young | Natural Resources Planner | **Fulton Hogan Ltd**

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From: YOUNG, Jo

Sent: Rāhina, 24 Kohitātea, 2022 3:24 p.m.

To: Zachary Sirett [REDACTED] 'Lucie Rutherford'

[REDACTED]; Edith Tuhimata [REDACTED]; HINE, Kurt

[REDACTED]

Subject: Stevenson Aggregates Ngāti Tamaoho hui today

Kia ora koutou

Looking forward to catching up with you all shortly. A quick agenda of the matters I have to cover so I don't forget anything:

1. Filming in Ballard's Cone;
2. Cultural Impact Assessment;
3. Potential stream and wetland mitigation locations;
4. Drury Quarry Asphalt Plant ;
5. NT / SAL hui in 2022.

Happy to add any other matters your team may have.

Mā te wā

Jo Young | Natural Resources Planner | **Fulton Hogan Ltd**

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Ngāti Tamaoho and Stevenson Aggregates Limited Meeting minutes and actions

Meeting date	21 June 2022
Attendees	Lucie Rutherford, Edith Tuhimata (NT) Jo Young (SAL)
Location	Teams
Apologies	
Next meeting date	Tuesday 19 July 3pm

Discussion	Action Required	Responsibility
A number of projects happening at Drury Quarry include: - Asphalt Plant; - Air discharge - Thorburn Fill - Sutton Block expansion	Continue with our monthly meeting to ensure NT are kept across projects.	Jo
Asphalt Plant lodged	Lucie and Edith saw this application some time ago. Jo to arrange for application to be resent.	Jo
Thorburn Fill	Jo is arranging an in person meeting to outline the proposal. This will be followed by a visit to the fill site. Jo to send invite out.	Jo
Cultural Values Assessment	- Jo finally has the archaeological assessment so will send that through shortly. - Edith to send through cost estimate. - It was agreed a broad CVA would be undertaken with various appendices for the various projects.	Jo / Edith
Memorandum of Understanding	- Agreement that the 2007 MOU needs to be updated. - Jo has tried to get engagement on this matter with no luck. Will leave with Lucie and Edith to progress this with their team.	Edith / Lucie

Ngāti Tamaoho and Stevenson Aggregates Limited Meeting minutes and actions

Meeting date	19 July 2022
Attendees	Lucie Rutherford, Edith Tuhimata (NT) Jo Young (SAL)
Location	Teams
Apologies	
Next meeting date	Tuesday 16 August 3pm

Discussion	Action Required	Responsibility
A number of projects happening at Drury Quarry include: - Asphalt Plant; - Air discharge - Thorburn Fill - Sutton Block expansion	Continue with our monthly meeting to ensure NT are kept across projects.	Jo
Thorburn Fill	- Edith and Dennis are attending the Thorburn Fill workshop and site visit on Thursday 21 July. - This will be chance to get an overview of this project and be able to see the site; - Lucie asked whether there would be any opportunity to provide feedback to alignment and locations etc, and Jo indicated there would be.	Jo
Cultural Values Assessment	- Cost estimate agreed; - Archaeological agreement sent through to Ben. - It was agreed a broad CVA would be undertaken with various appendices for the various projects. - This will likely be ready end of August.	Jo / Edith
Memorandum of Understanding	- Agreement that the 2007 MOU needs to be updated. - Jo will review the current MOU and provide a draft for NT to discuss with their team.	Jo

Ngāti Tamaoho and Stevenson Aggregates Limited Meeting minutes and actions

Meeting date	3 October 2022
Attendees	Lucie Rutherford, Edith Tuhimata, Dennis Kirkwood (NT) Jo Young (SAL)
Location	Teams
Apologies	
Next meeting date	Workshop and site visit – date TBC

Discussion	Action Required	Responsibility
Ballards Cone It was decided it would be good to have another workshop and site visit to talk through the Sutton Block plans.	- Meeting invite sent out for 20 October. Kurt can't make this time so hopefully we can agree on another time. - Jo to send out agenda before meeting. Should include presentation of the latest Sutton Block plans and a discussion regarding MOU going forward.	Jo
Questions around why access needs to be close to Ballards cone, and have SAL considered alternatives?	At the workshop Jo to present a consideration of different options for access to Sutton Block pit – Jo to prepare.	Jo
Questions around whether further archaeological investigations need to be done within Ballards Cone.	Edith to consider whether further archaeological investigations required around Ballards Cone. Further discussion at workshop required.	
Questions around the ongoing kaitiakitanga of Ballards Cone and incorporating that into an updated MOU	- Workshop agenda should include time to discuss what each party wants from an MOU. A good place to start the dialogue on this. Both NT and SAL want to work together in partnership to protect Ballards Cone. - Agreement that the 2007 MOU needs to be updated / replaced.	
Ballard's Cone is a nominated site of significance in the AUP.	Jo to try and get the overlay and put it across our Sutton Block plans.	
CVA/CIA	Update that this is progressing. Further discussions at the workshop.	

Meeting Minutes

Sutton Block expansion to Drury Quarry

Ngāti Tamaoho, Ngāti Te Ata and Stevenson Aggregates Limited (SAL) Hui

Meeting date	10am, Friday 28 October 2022
Attendees	<u>Ngāti Tamaoho</u> Lucie Rutherford (LR) Edith Tuhimata (ET) <u>Ngāti Te Ata</u> Karl Flavell (KF) <u>SAL</u> Kurt Hine, General Manager – Quarries, Stevenson Aggregates (KH) Jo Young, Natural Resources Planner, Stevenson Aggregates (JY) Anne-Marie Petersen, Stakeholder Engagement Manager, Stevenson Aggregates (AMP)
Location	Drury Quarry offices

	Discussion
1	Whanaungatanga (Introduction from all)
2	Overview of ecological work across Drury quarry over the last two years.
3	Overview of the proposed Sutton Block expansion plans, including proposed northern bund
4	Overview of the current Sutton Block access road plans, including overlay of proposed Kārearea Pā and alternative access.
	Background and discussion in relation to Kārearea Pā / Te Pou Hōtiki nomination process with Auckland Council
5	Onsite and offsite vegetation, stream and wetland loss and mitigation proposal
6	Discussion of Ngāti Tamaoho CVA
7	Any additional matters raised by Ngāti Te Ata, beyond that discussed in the Ngāti Tamaoho CVA
8	Potential alignment between all parties and how we can work together.

Commentary:

LR: definitely need to talk about the Sutton Block extension and whether SAL is willing to make changes as per recommendations from CVA.

Concerns were raised about how much of Kārearea is ring-fenced and what that means for access. How can they be effective kaitiaki if they can't access.

Current outline of Kārearea Pā limits access to the pā site. Discussion around SAL's investigations into alternate access. LR advises she prefers options which is coming up the Peach Hill side of Kārearea. ET mentions that the view will be better if option two is enacted. KF wants to know how the alternate access will affect Kārearea and the stream.

Macwhinney – name is not liked. Opportunity to rename Macwhinney Reserve.

There was an engaged discussion about the mitigation planting suggested at the Tūākau sand mine. KF said there are plenty of streams and places closer to Drury that could be looked at.

Questions:

KF: Are the trees sourced from local supply?

They are ecologically sourced.

KF: What is the % of budget is that is being spent on pest management & planting?

LR: How many streams are on the land?

LR: Why is the diversion going through quarry land?

JY: More like a drain

LR: Don't care what you call it – it is still water flowing through it. If it is permanent why call it a drain – and can you plant up the sides to enhance the health of the water.

LR: Asked about planting up the side of the stream again.

LR: What sediments and silts will run through the stream?

LR: How will trucks get across the stream?

KF: What is proposed loss of flora and fauna?

KH hopes SAL mitigation will be at least triple that. Proposed mitigation is well above and beyond the loss anticipated.

Will quarry impact ground water and what we will do offset this if it does?

LR: Could the second expansion pit be kept as a lake when it's done as a quarry (in 50+years' time because it means that the water will be collected on the maunga and be down in the lower lands in two weeks – unlike what has been done across at Stonefields in Glen Innes where the water will now struggle to be of use.

JY: Presented plans for the offset mitigation for vegetation, stream and wetland loss and talked that through.

Action Points:

- Jo Young to send Envoco Annual Report - 2021 and 2022 and all documents presented today.
- In external and internal comms moving forward to address as Kārearea Pā / Ballard's Cone as opposed just Ballard's Cone
- Discuss with Edith the opportunity to partner and help train their trainees coming through on pest and pest plant management. They currently have three people and it's a joint initiative with Ngāti Te Ata, Ngāti Tai Ki Tamaki and Ngāti Tamaoho.
- Talk with iwi about what felled wood could be used for. Also in future any natives being felled – could this be taken by iwi and used for cultural purposes (waka, carving, etc)
- Talk with ET about taking trees from their nursery so that they are local area trees.
- Could SAL (via Envoco) and mana whenua partner on seed collection (this is usually done in the months before Christmas)
- KF to identify streams that could be planted as part of the 5km needed for mitigation planting.
- KF to send copies of the three iwis recommendations regarding zoning around Kārearea Pā
- Organise a kaumatua visit to Kārearea
- ET – to get images of stone structures.
- SAL and mana whenua to discuss ongoing access to Kārearea
- JY to get a mapping person to do a map and then get iwi input – for a cultural assessment map

ACTION LIST

Action	Responsibility	timing	Urgency
Alternative access investigated further • Getting a plan prepared which includes impacts on this alternative access on existing Thorburn mitigation, the existing SEA; • Review of the AUP as this access will result in loss of SEA in rural zone (rather than quarry zone). • Jo and Kurt will walk the proposed access	JY	This work is underway, so I expect to come back to you in mid-November to discuss further.	High
Offsite mitigation of streams and wetlands: • Karl suggested there may be options closer to Drury (rather than the	JY	KF has put me in touch with a few developers. I will be reaching out to them over the next day or	High



Tuakau site SAL have identified).		two. They relate to the Drury Islands (Aurunga) and Oira Creek (Waipupuke)	
Organise kaumatua visit, and discussing ongoing access to Kārearea.	JY	Need to liaise with ET to make this happen.	High
Mapping Organise a GIS map of the area and get cultural input from ET and KF.	JY	Will reach out to GIS person ASAP	High
Set up a communications plan to ensure SAL transition from using the “Ballard’s Cone” terminology to “Kārearea”.	AMP	AMP to discuss this with NT and NTA to see how it can be progressed.	Medium
Get images on the stone structures on Kārearea	ET		Medium
Seed collection Discuss this with Envoco to understand what their current programme for seed collection is.	AMP		Medium
Potential to partner on a nursery, or support NT.		JY and ET to discuss how we progress this.	
Potential opportunity to partner on weed and pest control management.	JY	JY and ET to discuss how we progress this.	Low
Potential renaming of MacWhinney Reserve	JY	Part of the ongoing discussion.	Low
Wood to be felled: SAL need to make sure we have plan in place so that this wood can be re-purposed. Felling some years away.	JY	Part of the ongoing discussion.	Low

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Attachment 8



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 Auckland

Ngāti Tamaoho / Ngāti Te Ata and SAL Meeting minutes and actions

Meeting date	15 November 2022
Attendees	Lucie Rutherford, Edith Tuhimata, Jo Young (SAL), Karl Flavell
Location	Teams
Apologies	
Next meeting date	Workshop and site visit – date TBC

Following the in-person meeting and site walkover on 27 October 2022 the following actions points were created. The two far right columns include comments that have come out of the separate meeting with Ngāti Tamaoho and Ngāti Te Ata, both on 15 November 2022.

Action	Responsibility	timing	Urgency	Comments from Ngaati Te Ata meeting	Comments from Ngāti Tamaoho meeting
Alternative access investigated further - Getting a plan prepared which includes impacts on this alternative access on existing Thorburn mitigation, the existing SEA; - Review of the AUP as this access will result in loss of SEA in rural zone (rather than quarry zone). - Jo and Kurt will walk the proposed access	JY	This work in underway, so I expect to come back to you in mid-November to discuss further.	High	Jo presented the plan for the alternative access and asked for feedback. Jo noted that there potential drawbacks to the alternative access. They included: - Loss of SEA; - Located in Rural zone (rather than quarry zone). Positives included: - Less earthworks; - No stream loss - Preferred by iwi	



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				Jo noted that if SAL were to proceed with the alternate access, NT and NTA support would be crucial. Left with NTA and NT to consider. Note that SAL are doing further investigations to this route and we will feedback updated plans in due course.	
Offsite mitigation of streams and wetlands: Karl suggested there may be options closer to Drury (rather than the Tuakau site SAL have identified).	JY	KF has put me in touch with a few developers. I will be reaching out to them over the next day or two. They relate to the Drury Islands (Aurunga) and Oira Creek (Waipupuke)	High	Jo has reached out to three different developers with different opportunities, and will be discussing those with her ecologist later in the week. Will report back as to the suitability of these options.	
Organise kaumatua visit, and discussing ongoing access to Kārearea.	JY	Need to liaise with ET to make this happen.	High	Discussed, that maybe 2-3 times a year, there is an "iwi" day where it is locked in they can come up to Kārearea pā.	Edith keen to organize kaumatua visit. Just need to lock down finer details.
Mapping Organise a GIS map of the area and get cultural input from ET and KF.	JY	Will reach out to GIS person ASAP	High	Jo still to do. Waiting on an example map that Karl has that was done 10+ years ago.	
Set up a communications plan to ensure SAL transition from using the "Ballard's Cone" terminology to "Kārearea".	AMP	AMP to discuss this with NT and NTA to see how it can be progressed.	Medium		
Get images on the stone structures on Kārearea	ET		Medium		



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Seed collection Discuss this with Envoco to understand what their current programme for seed collection is.	AMP		Medium		
Potential to partner on a nursery, or support NT.		JY and ET to discuss how we progress this.			
Potential opportunity to partner on weed and pest control management.	JY	JY and ET to discuss how we progress this.	Low		
Potential renaming of MacWhinney Reserve	JY	Part of the ongoing discussion.	Low		
Wood to be felled: SAL need to make sure we have plan in place so that this wood can be re-purposed. Felling some years away.	JY	Part of the ongoing discussion.	Low		
Auckland Council – increased protection of Kārearea pā as nominated by NT and NTA.	JY	Onsite walkover the AC (Matt Gouge), NT (Edith) and NT (David) set up for Thursday 17 November	High	David Fraser from NTA and Edith Tuhimata from NT attended with Matt Gouge (AC), along with Jo and Kurt from SAL. Lots of discussion about - the increased extent proposed and whether there are opportunities for negotiation (from all parties). - Potential for long term rehabilitation plans across the northern expansion area suggested by Edith. Everyone to talk with their respective teams and report back.	

Discussion	Action Required	Responsibility
<u>Ballards Cone</u> It was decided it would be good to have another workshop and site visit to talk through the Sutton Block plans.	- Meeting invite sent out for 20 October. Kurt can't make this time so hopefully we can agree on another time. - Jo to send out agenda before meeting. Should include presentation of the latest Sutton Block plans and a discussion regarding MOU going forward.	Jo
Questions around why access needs to be close to Ballards cone, and have SAL considered alternatives?	At the workshop Jo to present a consideration of different options for access to Sutton Block pit – Jo to prepare.	Jo
Questions around whether further archaeological investigations need to be done within Ballards Cone.	Edith to consider whether further archaeological investigations required around Ballards Cone. Further discussion at workshop required.	



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Questions around the ongoing kaitiakitanga of Ballards Cone and incorporating that into an updated MOU	• Workshop agenda should include time to discuss what each party wants from an MOU. A good place to start the dialogue on this. Both NT and SAL want to work together in partnership to protect Ballards Cone. • Agreement that the 2007 MOU needs to be updated / replaced.	
Ballard's Cone is a nominated site of significance in the AUP.	• Jo to try and get the overlay and put it across our Sutton Block plans.	
CVA/CIA	• Update that this is progressing. Further discussions at the workshop.	

Ngāti Te Ata / Ngāti Tamaoho and SAL minutes and actions from walkover of alternate haul road route

Meeting date	13 December 2022
Attendees	Jo (SAL), David (NTA), Edith (NT)
Location	Onsite walkover
Apologies	
Next meeting date	TBC – late January

Discussion	Action Required	Responsibility
<u>Tuakau Sand Quarry</u> Edith agreed to come back to Jo on Monday 19 December in relation to the Tuakau Sand quarry groundwater consent application.	Provide feedback to Jo next week.	Edith
<u>Alternate haul road route</u> Walked over the route. Markers in place to show route. Edith asked for a copy of the archeological assessment done for Kārearea pā (very old). David also asked for information about stream flows and the diversion plans. Edith needed further time to consider both options. She would discuss with her wider team early next week and come back to Jo on Monday 20 December 2022. David would provide his field notes to Karl, and Jo and Karl will discuss further.	Jo to send information through to Edith and David.	Jo
<u>Timeframes</u> Discussed the need for timelines to be outlined.	Jo agreed to send out an email with an overview and update on timing.	Jo

Attachment 10

From: [REDACTED]
To: [REDACTED]
Subject: RE: Drury Quarry expansion iwi engagement
Date: Wednesday, 21 December 2022 9:01:00 am
Attachments: [REDACTED]

Kia ora koutou

As promised please find attached minutes from December hui:

- Ngāi Tai ki Tamaki, Te Ākitai Waiohū and Ngāti Whanaunga hui and walkover on 12 December;
- Minutes from a hui with Ngaati Te Ata on 13 December;
- Minutes from a walkover of the alternate haul road route with Ngāti Tamaoho and Ngāti Te Ata on 13 December.

I believe I have now received and returned signed fee estimates for everyone. Please let me know if I have missed anything! Thank you all for sorting that in the busy pre-Xmas time.

In relation to the decision as to whether to go with the existing haul road route, or pursue the alternate option, I canvassed all iwi reps and the feedback I received was as follows:

Iwi	Walked route?	Preferred route	Comments
Ngāti Tamaoho	Yes	Original route	Alternate route <i>"is not culturally acceptable. There is too much effects on the natural landscape"</i> .
Ngāti Te Ata	Yes	Original route	Was not a deal breaker either way but had concerns that alternate route was another cut in the earth. One cut (ie original, existing route) is best.
Ngāti Whanaunga	Looked at it from the start	No feedback	
Ngāi Tai ki Tamaki	No	Indicated they were neutral.	
Te Ākitai Waiohū	No	No feedback	

Please let me know if I have missed anything in the table above, or if you have additional comments to make. I am happy to amend.

Based on the above feedback SAL is proposing to continue with the original (existing) route up the western side of Kārearea pā.

Thanks you all for your help in working through this issue. I look forward to seeing you all again on 31 January 2023.

I hope you all have a nice, relaxing break.

Ngā mihi nui

Jo Young | Consents Manager | [Fulton Hogan Ltd](#)

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From: YOUNG, Jo

Sent: Monday, 19 December 2022 11:33 am

To: Lynette Penrose [REDACTED]
Stuart Renata [REDACTED]; Jeff Lee [REDACTED]; Edith
Tuhimata [REDACTED]; Lucie Rutherford [REDACTED]; Karl
Flavell [REDACTED]; [REDACTED]

Subject: Drury Quarry expansion iwi engagement

Kia ora koutou

It's been a big few months of iwi engagement at Drury Quarry, relating to our expansion. I wanted to thank you all for your support and involvement in this process.

I wanted to provide an update as we wrap up for Xmas. I'll be on leave from midday on Friday 23 December, and back on Thursday 12 January.

- **The key thing I need to resolve pre-Xmas is the haul road route. The current proposal is up the western flank of Kārearea pā, but we have been exploring an alternate route (up the eastern flank) at the behest of Ngāti Tamaoho reps. Various iwi reps have now walked the alternate route with me. If you have a particular view on this matter (or would like a site walkover pre-Xmas) please get in touch. If you are neutral please let me know if you can. If I don't hear back from you by COB Tuesday 20 December 2022 I will assume you are neutral. I should be able to let you know which route has been chosen pre-Xmas or in January.**
- I will send out an invite for our next catch ups in late January, February and March. Hopefully everyone is back from leave by then. I will invite our ecologists and landscape planner to the January meetings, so you can ask any questions you may have.
- I have prepared minutes from the meetings that were held last week on Monday 12 and Tuesday 13 December. I'll send those out as soon as all iwi reps have approved their release.
- I have received fee estimates from most iwi now to undertake CIA's. If I haven't received yours, it would be great to get that sorted pre-Xmas.

Just so we are all on the same page I wanted to give you an idea of my ideal timing going forward:

Timing	Action
Pre-Xmas	All fee estimates for CIA's received by SAL and signed off.
Pre-Xmas	Final haul road route confirmed

Mid-January	- CIA's commence preparation. - Iwi engagement continues. I'll send out invites shortly for late January, late February and late March.
Mid-February	Technical reports finalised. Note: All technical documents are in draft at the moment. These cannot be finalised until the haul route is confirmed.
End February	Draft AEE available for review.
Early March	Application ready for lodgement. Ideally it would be great to have all CIA's completed in early March for lodgement. *Actual lodgement date dependent on how iwi engagement is progressing.

A few other links you might find helpful:

Link to the documents I presented in the November hui: [REDACTED]

Link to the draft technical reports: [REDACTED]

Please let me know if you have any concerns with the timeline outlined above, or any other questions.

I hope you all enjoy a well deserved and relaxing break! See you in the new year.

Ngā mihi nui

Jo Young | Consents Manager | **Fulton Hogan Ltd**

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Attachment 11

From: [REDACTED]
To: [REDACTED]
Subject: Ngaati Te Ata Waiohua field report Fwd: Drury Quarry alternate route report
Date: Friday, 18 November 2022 1:28:23 pm
Attachments: [REDACTED]

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Kia ora Jo

Fyi

David's field report

Get [REDACTED]

From: David [REDACTED]
Sent: Friday, 18 November 2022, 12:23 pm
To: Karl Flavell
Subject: Drury Quarry alternate route report

Kia ora Karl,

At the hui today was Edith, Kurt Hine (General Manager), Jo Young (planner, Stevenson), Matt Gouge (Senior policy planner, Auckland Council). At the moment in terms of iwi it's just nominees involved in this, us and Tamaoho, and it will go out to all when the draft is ready.

So the plans discussed today were almost entirely about the haul road they wish to create in order to connect. I don't believe there's currently any threat to any viewshafts regarding Karearea, and I spoke with Edith and she reinforced that.

Regarding the haul road their original plan was to run along the western side of the historic overlay boundary, curving round through the dam and connecting to the Sutton block that way. It's all within the quarry boundaries and seems to make sense. However Tamaoho officially provided an alternative route, which goes around the southeastern side of the pa, over all the untouched areas. The reasoning given by Edith is that what makes the Karearea pa archaeology special is that there's a lot of stone-lined structures. These may be heavily damaged by having the huge dump trucks come through an estimated every 3 minutes, for around 40 years. It would also involve the complete destruction of the Hingaia stream on the northern side of the pa. To see approximately where the original haul road went, see

the attached "Diagram A.png".

The alternative route is therefore proposed to save potential destruction of archaeology from the vibrations, as well as much better preserving the stream network, in exchange for causing some modification to the only pristine sides of the maunga, and destruction to some native forest. It really is the lesser-of-two-evils situation. The haul road would be approximately 20m wide. To see where it is, look at the attached "Diagram A.png".

Specific earthwork amounts for both the original and alternative routes are currently unable to be supplied to me, but in the next few weeks both option's amounts will be going out to iwi according to Jo. Although it has been indicated that the alternative route would involve significantly less.

Also they have received word from Auckland Council about their desire to protect more around Karearea pa, with a site of significance provided to Stevenson which appears very similar to the one we submitted. The main difference seems to be that the thin strip I had to the western side of the extent is bigger and includes areas quarried over the last few years, which they honed in on. Anyway, you can see this extent outlined in the light green dashed line on the attached "Diagram A.png".

Finally, there is an issue when looking at the full life of the Sutton Block Quarry that providing an alternative route to save the stream to the north of the cone will only have so many actual benefits of the stream as it will eventually be consumed just a couple of hundred metres further upstream. I suggest moving the quarry slightly out of the SOS extent to the tributary I labelled as Stream A, and also have Stream B redirected around the quarry to connect with it. Edith suggested the Stream B redirection and I support it.

Just to note pest control currently takes place in the native bushes around the pa. A lot of mitigation planting is also going to take place around the edges of the Sutton block.

So in conclusion, although it seems painful putting the haul road through the untouched side, it does seem to be the lesser-of-two-evils when it comes to the long-term goal of the integrity of all sides of the pa by the time the quarry is gone. I do suggest though

- Stream B is redirected around and into Stream A
- The quarry zone is shifted to the east of Stream A as shown in the SOS submission
- Restoration of the lengths of stream that remain.

Image 1 - A bend the original route of the haul road would go over

Image 2 - The Hingaia stream valley that would be destroyed to the north of the cone with the original route

Image 3 - The original route would follow very closely to the pa, visible to the right of the pa in this image

Image 4, 5 & 6 - A view over the southern side of the maunga where the Tamaoho alternative route is proposed

Image 7, 8 & 9 - A view over the Sutton block, to be quarried. To the left of Karearea brown plants are seen coming down the slopes, this is Stream A in attached Diagram A.png.

Ngāti Te Ata and SAL Meeting minutes and actions

Meeting date	13 December 2022
Attendees	Jo Young (SAL), Karl Flavell (NTA)
Location	Teams
Apologies	
Next meeting date	TBC – late January

Discussion	Action Required	Responsibility
<u>Tuakau Sand Quarry</u> Discussed the groundwater application which SAL are lodging this week. David came out on site last week and has provided his site visit notes. Karl noted Ngāti Te Ata were supportive of the proposal and would provide written confirmation of this in due course. Jo noted the application would be lodged this week, to ensure s124 continuity of operations. Post note – was lodged on 14 December 2022.	Karl to provide written comment which SAL will forward to Waikato Regional Council as part of our application.	Karl
<u>Potential offsite mitigation locations</u> - At our November meeting Karl was dismayed that we were not able to undertake offsite mitigation closer to Drury Quarry. At that meeting Jo explained the difficulty she had faced trying to find locations. Karl provided Jo with some options to consider. They included: - Oira Stream – Waipupuke subdivision; - Hingaia Stream – Kiwi Property site; - Ngā Motu o Hingaia – Aurunga development islands Jeff from Te Ākitai Waoihua also suggested Opaheke Pā. Jo had done quite a lot of investigation into these options and had reached dead ends. Karl understood and appreciated the thoroughness and work Jo had gone to, to investigate these options.	Jo has sent out invite for site visit on 1 February.	Jo



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Drury Quarry
Corner Quarry / Fitzgerald Roads, Drury
Auckland

It was agreed that Karl would come out to Tuakau sand quarry to look over the potential mitigation site		
<u>Alternate haul road route</u> Discussed various aspects of the two haul road options, but overall this was not a deal breaker for Ngāti Te Ata. Karl would have a further view once David had been on his alternate route walkover the following day.	Jo to come back to Karl on Tuesday 20 December, when she has feedback from other iwi about their preferred route.	Jo
<u>Timeframes</u> Discussed the need for timelines to be outlined.	Jo agreed to send out an email with an overview and update on timing.	Jo

Attachment 13

From: [REDACTED]
To: [REDACTED]
Subject: David's Field 2nd report Fwd: Drury Quarry alternate route walkover report
Date: Thursday, 15 December 2022 1:54:37 pm
Attachments: [REDACTED]

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Fyi Jo....

Get [REDACTED]

From: David [REDACTED]
Sent: Thursday, 15 December 2022, 1:31 pm
To: Karl Flavell
Subject: Drury Quarry alternate route walkover report

Kia ora Karl,

At the hui on Wednesday was just myself, Edith and Jo.

We did a walkover mostly of the alternative route that Edith had proposed. It was a nice walk through the bush and paddocks, with the usual suspects found such as Kereru (wed fed ones too), Piwakawaka and Riroriro. While there were plenty of good large trees, the understory was quite bare in most places, and still needs to be regenerated properly. We followed the alternate route which started off with 3 posts each time marking its path as well as its width, but as it went through the forest it reduced to single posts, just for the path.

Regarding the impact on the Hingaia stream flows when this whole sutton block quarry takes place, they are going to pump the natural flows out of the pit and into the diversions which eventually link up to the original stream again. This water would be cleaned and flocculated like the current pit. For the base flows the groundwater report lists them as below during the certain stages of the quarry, however it can be difficult to visualise where

each stream is and Jo has actually already requested that they put together images for this purpose.

But in the meantime we'll make do with names. The below stats for each one are the 'potential reduction in baseflow after augmentation' written as stage 2&3/stage 4/stage 5. These are all percentages.

Maketu: -5 / -5 / -5

Hays: -1 / -2 / -4

Symonds: -5 / -5 / -5

Waihoihoi: -5 / -5 / -5

Hingaia Sub-catchment: -2 / -5 / -5

NT1 (the sutton block catchment): -5 / -5 / -5

Peach Hill: -5 / -5 / -5

Mangaheau: -5 / -5 / -5

Wairoa will only be affected at stage 5, with -1. NT2 will only be affected at stage 5 also, but with a 0.

Regarding the original route they proposed, the stream in the area of the dam is planned to be completely filled in then diverted. If this option is chosen apparently some of the native bush along this route would be destroyed. It was explained to me that this is less because of the road itself and more because the road would shift boundary of the pit more that way, so they could make the most use of it.

Regarding the special archaeology, Edith clarified that they are stone lined pits for the foundations of houses, and most places aren't stonelined. I asked for the report (which is attached to this email) and it was from 1982/3. They on numbered page 3 they describe Ballards Cone (N46-7/324) as a pit complex. On numbered page 17 (strangely switched with 16 in the pdf) there is a diagram of the Ballards archaeology.

On numbered page 16 they describe the features a bit: "It consists of seven pits at the southern end of a 200mx40m level area, and at least thirty stone heaps around the centre. The nature of these heaps is uncertain - fossickers have apparently disturbed some, but no human remains were present, and no confirmed artefacts appear to have turned up. All three owners concerned think that it may be a burial ground, but only Mr Sutton says he's found any remains - leg bones in the rocky sides of the cone."

They then go on to note a large adze that was removed by an ex-employee.

Jo was also requesting if she could have some feedback by next week.

If the attached archaeological report is all the documented information about the site (and I haven't missed anything in it) my recommendation is to have a more recent one done honestly. There seems to be rather limited information about it regarding the stone lined pits Edith described, as well as a lack of photos as you might expect for the time. At the very least it just seems like with everything that is at stake and the 40 years of quarrying that have occurred since that report that it warrants a contemporary investigation. That's my only real recommendation at the moment.

Images -

Image 1 - Looking towards where the route will connect with the existing road (southwestern start).

Image 2 - Turning from there towards where it will go into the forest

Image 3 - A small tributary of the Te Maketu stream at the start of the forest

Image 4 - Looking at the southwestern edge of the forest

Image 5 - Large basalt boulders like this are throughout the forest, and plenty of small ones.

Image 6-11 - Walking through the forest. The lack of a proper understory is quite evident.

Image 12 - Walking out of the forest up the hill.

Image 13 & 14 - Looking back towards the northeastern edge of the forest.

Image 15, 16 & 17 - Walking over that hill and following the posts of the path into the sutton block.

Image 18 - The dam with the valley that will be filled if the original route is chosen, and the forest on the right which will be damaged in that instance

Image 19 & 20, Views of the forest in image 18.

Nga mihi,

David

From: [REDACTED]
To: [REDACTED]
Subject: Additional to Field Report 2 Fwd: Drury Quarry alternate route walkover report
Date: Thursday, 15 December 2022 1:56:05 pm

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Also, this too....

Get [REDACTED]

From: David [REDACTED]
Sent: Thursday, 15 December 2022, 1:52 pm
To: Karl Flavell
Subject: Re: Drury Quarry alternate route walkover report

An addendum to the Drury Quarry walkover report, I missed that there was a Clough report in the dropbox also.

He makes reference to an Ian Lawlor report from 1989 which describes the features

"The earthworks are numerous. They include terraces, a tiki-like platform and pit depressions. The depressions are located at the south-western and north-western ends of the top platform ... The pit depressions are identified as remnants of semi-subterranean structures most likely used as rua kumara (storage pits). Collectively a cluster of 12 pits around a rocky knoll in the south probably represent the main food store of the site. Together the structures and features identify an extensive habitation complex. Although no defensive ditches have been recorded, the top platform and some surrounding terraces are uniquely placed to take advantage of the steep rocky bluffs. The topography affords natural protection to the site." Ned Sutton, the landowner of the north-eastern part of the site, has informed me that he has seen many human bones among the stonework and terraces." ... The volcanic rock and ash soils, so obviously the focus of settlement occupation and gardening activities, have been used to define the site area. Supporting evidence includes a kanuka stand, indicating regenerating native vegetation and a possible old garden area [Thorburn property]... The springs [on both the Thorburn and Sutton properties] exiting from beneath the boulder outcrops and scree areas would have provided fresh water and swampy patches would have been ideal for taro cultivation. Two possible channel features were identified running down-slope from springs [Thorburn property]. Since Mr Thorburn has informed me that he has not drained this area it appears likely that these are old features. Surface disturbance presently precludes a positive identification. I believe the site is unique because of the archaeological evidence and associated vegetation cover. Much can be learnt about Māori use and impact on this landscape. Although the stonework has suffered much from fossicking and farming, when the remains are compared with those on adjacent volcanic outcrops (e.g. Peach Hill pa site R12/67), they appear well preserved. The site and surrounding area would score high when such values as integrity and setting are considered. The fact that there is a long association between the site and the local Māori community adds to the importance of this historic place

From pages 45 of Clough's report are Ian Lawlor's description submitted for the site. Although there's a lot of pages to cover I can't actually find any actual new investigation as to the features done by him. Although Ian's report may be worth tracking down I think it's unlikely to contain photos, and even if it does it still has been 30 years of quarrying next door that we don't have to base these decisions off. So my recommendation doesn't really change.

On Thu, 15 Dec 2022 at 13:30, David [REDACTED] wrote:
Kia ora Karl,

At the hui on Wednesday was just myself, Edith and Jo.

We did a walkover mostly of the alternative route that Edith had proposed. It was a nice walk through the bush and paddocks, with the usual suspects found such as Kereru (wed fed ones too), Piwakawaka and Riroriro. While there were plenty of good large trees, the understory was quite bare in most places, and still needs to be regenerated properly. We followed the alternate route which started off with 3 posts each time marking its path as well as its width, but as it went through the forest it reduced to single posts, just for the path.

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Nga mihi,
David

Meeting Minutes

Sutton Block expansion to Drury Quarry

Te Ākitai Waiohū, Ngāi Tai Ki Tāmaki, Ngāti Whanaunga and Stevenson Aggregates Limited hui

Meeting date	10am, Thursday 24 November 2022
Attendees	<u>Te Ākitai Waiohū (TAW)</u> Jeff Lee (JL) <u>Ngāi Tai Ki Tāmaki (NTKT)</u> Vern Makowharemahīhi (VM) Lynette Penrose (LP) <u>Ngāti Whanaunga (NW)</u> Stuart Renata (SR) <u>Stevenson Aggregates Limited (SAL)</u> Kurt Hine (KH), General Manager – Quarry's, Stevenson Aggregates Jo Young (JY), Natural Resources Planner, Stevenson Aggregates Tara Edwards – Tusa (TET), Compliance Engineer
Apologies	Anne-Marie Petersen, Stakeholder Engagement Manager, Stevenson Aggregates
Next meeting	Monday 12 December 2022 10am – at Drury Quarry
Location	Drury Quarry offices

Agenda:

	Discussion	Lead
1	Whanaungatanga (Introduction from all)	
2	Overview of ecological work across Drury quarry over the last two years.	Jo
3	Overview of the proposed Sutton Block expansion plans, including proposed northern bund	Kurt
4	Overview of the current Sutton Block access road plans, including overlay of proposed Karearea Pā and alternative access.	Kurt / Jo
	Background and discussion in relation to Karearea Pā / Te Pou Hōtiki nomination process with Auckland Council.	Jo
5	Onsite and offsite vegetation, stream and wetland loss and mitigation proposal	Jo
6	Overview of iwi feedback to date	Jo

7	Any additional matters to be raised	All
8	Potential alignment between all parties and how we can work together.	All
9	Site visit to Sutton Block	All

Discussion points:

General

- The collective group indicated that they would prefer a collaborative approach to engagement. This means that ideally they would like all iwi with an interest to meet together (as Ngaati Te Ata (NTA) and Ngāti Tamaoho (NT) met separately three weeks ago).
- LP and JL noted they would like to see the minutes from that previous meeting.
- JY mentioned that we had engaged on this project earlier in the year, and this meeting was a bit of a catch up. SAL have progressed plans. So this was about getting everyone across where the plans are at.

Existing eco work across the site

- JY presented the Envoco annual report for 2021. Both the 2021 and 2020 reports will be sent out afterwards.
- There was discussion around “who checks Envoco”. For example, LP asked, who makes sure that Envoco use best practice for live animal capture? JY noted that we rely on Envoco to undertake best practice.
- Discussion around whether there was some merit in bring Scott and Ohara from Envoco along to one of the 2023 meetings, to have a bigger discussion. Will be discussed further at the next meeting.

Sutton Block Expansion plans

- Expansion plans presented;
- NT had requested that SAL look at an alternative access around Kārearea pā. This alternative access was also presented. It is still early days in considering the alternative. Both access routes in the mix at the moment.
- SAL keen to get feedback from iwi on whether they have a preferred route. Both routes have positives and negatives.

Auckland Council Kārearea pā future protection

- JY let iwi know that SAL received a letter from Auckland Council recently. NT and NTA have nominated that Kārearea Pā receive greater protection. Auckland Council are investigating what type of protection would be best suited.
- There have been two protection extents put forward.
- SAL are currently working with Auckland Council as landowner and NT and NTA.
- Auckland Council and representatives from NT and NTA came out to visit Kārearea pā on 17 November 2022.
- Jo to link up Auckland Council with NTKT, NW and TAW to get information disseminated.

Ecological mitigation plans

- JY presented plans outlining the vegetation, stream and wetland loss that will occur as a result of the expansion.
- JY showed plans as to where the vegetation mitigation will be provided onsite.
- LP wanted to understand the quantity of loss and the quantity of mitigation proposed. LP noted that she was sure that our ecologist Jenni Shanks would have done a thorough job on this.
- JY showed plans as to where stream and wetland mitigation was proposed to occur offsite, on Tuakau farmland.
- There was some disappointment expressed that mitigation was not happening closer to the Drury site.
- JY explained that it had been very difficult to find mitigation sites. LP was disappointed that SAL did not pursue mitigation along the Wairoa River. This was an option that JY and LP explored together.
- KH explained that from an ecological perspective, the Tuakau site provided much greater uplift.
- JY explained that she hoped there will still opportunities to work with the owners alongside the Wairoa River, particular in the next few years when Clevedon Quarry consenting was underway. The Wairoa River runs past Clevedon Quarry so is directly linked.
- JY noted that NTA had suggested three sites in Drury and JY was investigating whether they were viable offset mitigation options. JY open to investigating any options anyone could suggest.
- JL suggested the Te Maketu Falls Reserve and Opaheke Pā. Jo will visit this and talk with project ecologist.

Actions:

	Action	Responsibility	Timing
1	Reach out to Ngaati Te Ata and Ngāti Tamaoho and invite them to the next meeting on 12 December 2022	JY	ASAP
2	Check Ngaati Te Ata and Ngāti Tamaoho are comfortable with meeting minutes being distributed and then send them to the wider group.	JY	ASAP
3	Reach out to Auckland Council to bring TAW, NW and NTKT into that discussion.		
4	Reach out to Auckland Council Māori Cultural Heritage unit to connect them up with NTKT, NW and TAW. Note: SAL allow AC to send out information in relation to this.	JY	ASAP
5	Investigate Te Maketu Fall and Opaheke Pā as potential offsite mitigation options.	JY	ASAP
6	Send out all of the documents shown on the screen at the meeting.	JY	ASAP
7	All iwi to send through a fee estimate to undertake a CVA early in the new year.	NTKT / TAW / NW	Before 12 December.
8	Send out all of the expert report that will accompany the resource consent application	JY	Prior to Xmas – While these have been received, they still need to be reviewed.

9	Consideration of the two haul road options up to the Sutton Block	JY	Further discussion at 12 December 2022 meeting
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Discussion points at next meeting:

- Action points from previous meeting;
- The two haul road options and whether each iwi have a preference;
- Shall we arrange for Scott and Ohara from Envoco to come along to the next hui?
- How meetings will progress in 2023;

Meeting Minutes

Sutton Block expansion to Drury Quarry

Te Ākitai Waiohū, Ngāi Tai Ki Tāmaki, Ngāti Whanaunga and Stevenson Aggregates Limited hui

Meeting date	9am, Monday 12 December 2022
Attendees	<u>Ngāti Whanaunga (NW)</u> Stuart Renata (SR) <u>Stevenson Aggregates Limited (SAL)</u> Kurt Hine (KH), General Manager – Quarry's, Stevenson Aggregates Jo Young (JY), Natural Resources Planner, Stevenson Aggregates Tara Edwards – Tusa (TET), Compliance Engineer
Apologies	Jeff Lee, Te Ākitai Waiohū (sick) Lynette Penrose, Ngāi Tai Ki Tāmaki (had to attend other meetings).
Next meeting	Monday 12 December 2022 10am – at Drury Quarry
Location	Drury Quarry offices

Unfortunately, both other iwi representatives could not attend at short notice, so Stuart Renata from Ngāti Whanaunga was the only representative to attend.

Stuart came up and walked part of the alternate access route with Jo.

Jo and Stuart both agreed that a sit down meeting seemed pointless without the wider iwi engagement. Jo has agreed to try and arrange a Teams call for the wider group later in the week.

Stevenson Aggregates Limited
 Drury Quarry
 Corner Quarry / Fitzgerald Roads, Drury
 Auckland

Ngāti Tamaoho and Stevenson Aggregates Limited Meeting minutes and actions

Meeting date	14 February 2023
Attendees	Edith Tuhimata (NT), Karl Flavell (NTA) Jo Young (SAL), Kurt Hine, (SAL), Anne-Marie Petersen (SAL), Kate Feickert (Biosearches), Chris Wedding (Biosearches, Tom Lines (Boffa Miskell)
Location	Teams
Apologies	Lucie Rutherford (NT) – left without power after Cyclone Gabrielle
Next meeting date	Wednesday 29 March 1pm

Edith thanked SAL for providing sand for NT flood protection efforts. Kurt noted we are always happy to help out our partners.	N/A	
Short overview from Chris Wedding (Biosearches Ecologist) of the onsite vegetation mitigation proposed across Drury Quarry.	- KF – commented that Ngati Te Ata Waiohū would like a Cultural Management Plan to be undertaken which could be prepared (similar purpose to Eco Management Plans). This will need to be further discussed. These are prepared post consent approval, but before onsite works commence. JY and KF to discuss how we can progress this further. - ET interested as to whether Biosearches went into Kārearea pā. CW indicated they did to set out monitoring equipment. ET would like a protocol in place for whenever anyone enters the site. JY and ET to develop this protocol further. - ET wants a greater area of protection around Kārearea pā. JY agreed that we needed to sit down and discuss this further.	Jo
Short overview from Kate Feickert (Biosearches Ecologist) of the offsite stream and wetland mitigation proposed at the Tuakau farm. This includes 20m riparian	<u>Questions / comments:</u> This mitigation is supported by KF in general but our preference has always been for somewhere local in Drury – and its many waterways, Hingaia Motu, or other similar.	

planting and wetland restoration of a kahikatea swamp.		
Short overview from Tom Lines (Boffa Miskell Landscape Architect) of the mitigation proposed from a landscape and visual perspective.	<u>Questions / comments:</u> KF understood the need for exotics to provide immediate height, but felt that a native understory would provide a long-term benefit. And for cultural reasons too. Tom took that advice on board.	
Short overview of the four alternative off-site mitigation options put forward by Ngaati Te Ata and Te Ākitai Waiohū and the investigation undertaken by Jo and Treff into those options	- KF would like further investigation into Ngā Motu o Hingaia or the Te Maketu Pa/waterfall landscape. FH seem to be able to undertake mitigation on these islands, so why can't SAL. Jo to discuss with Gary Nolan and also internally with FH land development. Once I've done that I will report back to Karl and we can discuss options further. Are there other streams around Drury that flow into the Manukau that might be available? Oira, Ngakoroa, Hingaia? - ET noted that the Drury South wetland and stormwater detention pond has been hit hard by the cyclone.	
All agreed that given the meeting ran for 1.5 hours, we would run through the November 2022 actions at our next meeting.		

Ngaati Whanaunga, Te Ākitai Waiohūa, Ngāi Tai Ki Tamaki and Stevenson Aggregates Limited Meeting minutes and actions

Meeting date	14 February 2023
Attendees	Rev Butler (NTKT) Jo Young (SAL), Kurt Hine, (SAL), Kate Fieckert (Bioresarches), Chris Wedding (Bioresarches, Tom Lines (Boffa Miskell)
Location	Teams
Apologies	Jeff Lee (TAW), double booked Stuart Renata (NW), ill
Next meeting date	Wednesday 29 March 10am

Discussion

As Rev was the only iwi rep that attended, and he is new to the project, JY took the opportunity to give RB an overview of the proposed expansion.

Short overview from Chris Wedding (Bioresarches Ecologist) of the onsite vegetation mitigation proposed across Drury Quarry.

Short overview from Kate Feickert (Bioresarches Ecologist) of the offsite stream and wetland mitigation proposed at the Tuakau farm. This includes 20m riparian planting and wetland restoration of a kahikatea swamp.

Short overview from Tom Lines (Boffa Miskell Landscape Architect) of the mitigation proposed from a landscape and visual perspective.

Given RB is new to the project and no other iwi reps were in attendance it was decided we would run through the November 2022 actions at our next meeting.

Attachment 18

Stevenson Aggregates Limited
Drury Quarry
Corner Quarry / Fitzgerald Roads, Drury
Auckland

Ngāti Tamaoho and Stevenson Aggregates Limited Meeting minutes and actions

Meeting date	23 May 2023, 10am
Attendees	Jo Young (SAL) Lucie Rutherford (NT) Edith Tuhimata (NT) Beau White (NT) Ben Leonard (NT)
Location	Teams
Apologies	
Next meeting date	15 June 12.15pm – Cultural induction and hui

Discussion	Questions / Comments / Actions	Responsibility
<u>Sutton Block expansion</u> Jo discussed the timing of the Sutton Block application and that it had been delayed quite significantly due to resourcing difficulties.	Edith and Lucie both recommended Vance Hodgson from HPV Planning. Jo to keep that in mind.	Jo
<u>Kārearea Pā</u> Jo received the email from Edith which outlined NT's proposed extent.	- Jo asked whether this was the same extent that was presented to Auckland Council. Ben agreed it was. - NT and SAL agreed to meet on 15 June for lunch, a cultural induction and hui to discuss our mutual interests.	Jo
<u>Update on other projects</u> - Perlite processing plant application lodged and now working on s92 response. - Thorburn Managed Fill application has been on hold for about 6 months, and expected to remain on hold for at least another 6 months. - Tuakau sand quarry groundwater consent currently processing.	- Jo to send perlite s92 response as soon as it goes back to Council. - Edith has been to site and Lucie indicated she would like to see additional planting on the site. Jo explained that SAL have significant plans (as part of the Sutton expansion) to plant streams and wetlands. Also in the longer term we hope to expand this revegetation across the part of the site closest to the Waikato awa. - Lucie also indicated a desire to discharge the groundwater directly into the awa, rather than back into the	Jo / Beau

	quarry pond like it currently is. Noted by Jo.	
<u>Kaumatua Visit</u>	Collectively agreed that this was something that needed to happen. As a first step kaumatua invited along to our Kārearea Pā walkover. Further discussion at our 15 June meeting would be good.	Jo / Lucie
<u>Cultural Mapping</u>	Jo had a map prepared. Currently being reviewed by Ngaati Te Ata and will send through once that is done.	Jo
<u>Nursery</u> Partnership or support	All agreed this would be good to discuss as part of the wider MOU discussion at the 15 June hui.	
<u>Memorandum of Understanding</u>	All agreed this would be good to discuss at the 15 June hui.	
<u>Weed and Pest Control</u>	All agreed this would be good to discuss as part of the wider MOU discussion at the 15 June hui.	
<u>Renaing McWhinney Reserve (on SAL land)</u>	Ben indicated that Auckland Council were in the process of renaming their part of the Reserve. Will send through details to Jo when he knows more.	Ben
<u>Renaming of Kārearea pā</u>	- NT were interested as to whether the renaming of the pā is something SAL would consider. - Jo indicated an interest in that idea. However, there had been some push back from other iwi about the veracity of the name, so felt we had to resolve those concerns first. - Edith agreed to discuss with Matua George Flavell, and Ben would discuss with Whaea Carmen.	Ben / Edith
<u>Future Wood Felling</u>	More detail to come. Probably 3-4 years away, so discussions will start well before then.	

Ngaati Te Ata and Stevenson Aggregates Limited Meeting minutes and actions

Meeting date	16 May 2023
Attendees	Jo Young (SAL) Karl Flavell (NTA) Kurt Hine (SAL)
Location	Teams
Apologies	
Next meeting date	TBC

<u>Kārearea pā protection</u> Jo presented the map outlining the two protection extents sought and the current pit plan. Karl and Paora attended the walkover in April. Karl has seen the Ngāti Tamaoho (NT) email outlining their preferred extent.	Karl and Kurt agreed that we needed to keep the kōrero flowing. Jo agreed to organize an in person meeting with NT, NTA and SAL.	Jo
<u>Sutton Block expansion</u> Jo outlined that there had been a significant delay with the preparation of the resource consent. Likely to be months. Karl noted their CVA was mostly done, but waiting on the AEE, and final protection extent to be agreed, to complete a few sections. This work will remain on hold until AEE complete.	No action	
<u>Monthly meeting</u> Given the delay with the Sutton Block AEE Jo asked if Karl wanted to reconvene our meetings when we have an AEE, or continue on a monthly basis. Agreed to continue monthly.	Jo to send out recurring monthly invite.	Jo
<u>Update on other projects</u> • Perlite processing plant application lodged and draft s92 received; • Thorburn Managed Fill application has been on hold for about 6	Karl will review perlite application and report back next week.	Karl

months, and expected to remain on hold for at least another 6 months.	Jo will send through the perlite s92 response in the next week or so.	
<u>MOU</u> Karl has sent a draft MOU through to Kurt for consideration and revisions.	Kurt to consider further and revert back to Karl.	Kurt / Karl
Long terms matters to consider		
<u>Kaumatua Visit</u>	Agreed that this was something that needed to happen. As a first step kaumatua invited along to our Kārearea Pā walkover.	Jo
<u>Cultural Mapping</u>	Karl has the map and it is with him to review and provide edits back to Jo.	Karl
<u>Weed and Pest Control</u>	Karl indicated the NTA "jobs for nature" team were snowed under with work. But something to consider for the future.	
<u>Renaming McWhinney Reserve (on SAL land)</u>	Karl working with Auckland Council on process of renaming their part of the Reserve.	
<u>Future Wood Felling</u> More detail to come. Probably 3-4 years away, so discussions will start well before then	Karl said NTA were very interested. As a first step, Jo will need to identify tree species.	Jo

Attachment 20



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Drury Quarry
Corner Quarry / Fitzgerald Roads, Drury
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Ngaati Whanaunga, Te Ākitai Waiohūa, Ngāi Tai Ki Tamaki and Stevenson Aggregates Limited Meeting minutes and actions

Meeting date	29 March 2023
Attendees	Stuart Renata (NW) – in person Rev Butler (NTKT) – via Teams Jo Young (SAL) – in person Tara Edwards-Tusa (SAL) – in person
Location	Drury Quarry, and via Teams
Apologies	Jeff Lee (TAW) Kurt Hine (SAL)
Next meeting date	TBC

Topic	Discussion
Update on the Sutton Block consent. • Discuss where all CVA's are up to. • Discuss where things got to on the alternate haul road; Discuss where things got to on the off-site mitigation.	
Update on other project happening around the Drury site: • Perlite plant consent; • Air discharge consent; • Thorburn managed fill consent;	Comment from Rev that he has flagged the NTKT concern about perlite moving between whenua. Ideally product will remain within the area it is extracted. Jo acknowledged Rev's concern, and noted that this was because perlite is a naturally occurring product and cannot be found in the Auckland region. Jo's understands it relates to the eruption of Lake Taupō. Jo also noted that this product will help the Stevenson concrete business to cut carbon emissions. Rev acknowledged the benefits of this proposal but noted that cultural concerns were his first priority and carbon reduction is secondary to that.
Discuss what has been happening in relation to the Auckland Council project to increase protection area around Kārearea pā.	Rev and Stuart will wait to hear the outcome of discussions between Auckland Council, Ngaati Te Ata and Ng



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	Jo to set up next meeting date. Likely to have draft Sutton Block expansion AEE by next meeting.
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Ngaati Whanaunga, Te Ākitai Waiohūa, Ngāi Tai Ki Tamaki and Stevenson Aggregates Limited Meeting minutes and actions

Meeting date	17 May 2023
Attendees	Rev Butler (NTKT) Jeff Lee (TAW) Kurt Hine (SAL) Jo Young (SAL) Tara Edwards-Tusa (SAL)
Location	Teams
Apologies	Stuart Renata (NW)
Next meeting date	TBC

Topic	Discussion
<u>Update on the Sutton Block consent</u>	- Jo let everyone know that there was a significant delay as SAL have had to replace the project planner. This could result in another 3 months until the AEE is complete. - Jeff was interested in whether the application will be publicly notified. Kurt indicated that SAL have been engaging with the local community and iwi. Jo noted that SAL had a community open day in Feb 2022 and SAL have promised to be open and transparent with the process and bring stakeholders along on the journey. But we also need to review the technical assessments in order to make a considered decision.
<u>Update on other project happening around the Drury site:</u> - Perlite plant consent; - Air discharge consent; - Thorburn managed fill consent;	- Perlite – Currently at s92 stage. When s92 is submitted Jo will send to all parties. Jeff was going to review the application, and come back to Jo. - Thorburn Managed Fill – Jo indicated that this was on hold while SAL considered its options. Sutton Block expansion is SAL's focus at the moment. Will be in touch with iwi when this project kicks off again.
<u>Discuss what has been happening in relation to the Auckland Council project to increase protection area around Kārearea pā</u>	Jo indicated that the discussions between Auckland Council, SAL, Ngāti Tamaoho and Ngāti Te Āta were ongoing, and Jo couldn't provide info until matters were concluded. Jo indicated that Auckland Council told her they would engage with all

	iwi, once agreement was reached with Ngāti Tamaoho and Ngāati Ye Ata. • Jeff wanted to make it clear that any matters around the expansion also relate to Kārearea Pā (or Old Maketu Pā as identified by Jeff). Jo agreed with this. • Jeff was seeking clarity in relation to negotiations with this taonga. Jo explained that SAL were merely a stakeholder in the process and he would need to reach out to Matt Gouge from Auckland Council for further information. SAL were still trying to understand what type of protection mechanism was proposed. Jeff agreed to reach out to Matt.
<u>Next meeting</u>	• Jeff and Rev agreed we should take a break from the monthly meetings, and Jo will re-start them once AEE is ready.

Attachment 22



Stevenson Aggregates Limited
Drury Quarry
Corner Quarry / Fitzgerald Roads, Drury
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Ngaati Tamaoho and Stevenson Aggregates Limited Cultural Induction and hui minutes

Meeting date	15 June 2023, 12.15pm
Attendees	Ben Hussey (SAL) Kurt Hine (SAL) Jo Young (SAL) Tara Edwards-Tusa (SAL) Lucie Rutherford (NT) Edith Tuhimata (NT) Beau White (NT) Ben Leonard (NT)
Location	In person at Ngaati Tamaoho offices
Apologies	Matekino Marshall
Next meeting date	18 July 2023, 10am Hui and visit to nursery site

Next steps

- Meet again in a month. Date set for 20 July. We will also visit the nursery site.
- SAL to make track change edits to the MOU.

Jo's notes from the cultural induction and discussions

- Kaitiakitanga for NT means transference of knowledge, succession planning, and mokopuna;
- Maungakeikie / One Tree Hill is the only maunga in Auckland that hasn't been quarried.
- Edith showed a generic paa which shows the various areas for cooking, sleeping, growing food, urupa. The waterway is a natural and obvious buffer (and that applies to Kaarearea paa as well).
- Te Ara Rimu is the most significant historical hikoi / walkway in Auckland. It connects Waikato and Auckland and has been part of many historical events. This was the case until the Great South Road was constructed.
- Te Ara Rimu ran along the northern and eastern ridge of the Sutton Block and then carried on down to Peach Hill Road.
- All iwi have important links to Te Ara Rimu.
- Kaarearea has personhood as is not defined by the lines on a map.
- Ben noted that it was low quality soil on the Sutton Block, but adjacent to the paa it was good soil. So gardening likely.
- Kaarearea's oldest occupied areas likely to be in the 1700's.
- Kaarearea is part of the Maketu Cultural landscape. This includes Maketu waterfall, Opaheke paa, Peach Hill cultural areas.
- Kaarearea is a paa kohatu (stone pa) which is very rare.
- This gives rise to the potential for "patu paraire" / super natural beings. These were the tipuna before Māori who made everything out of stone.
- Tihi – means top of the hill, which was only for tohunga.
- At some point Kaarearea became so tapu that it couldn't be lived on anymore. At some

point people stopped living at this paa site. It could have been a battle site.

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- At some point Kaarearea became more about burials. The way that bodies were interned makes it likely they died in war.
- Kaarearea is the most waahi tapu in all of NT's rohe.
- In 1864 it was part of the raupatu (confiscation).
- Kurt mentioned that SAL would like to do cultural induction for all staff, with the potential for a cultural bus tour around the Drury area.
- Dennis mentioned that NT fight for what they believe is right from a cultural and spiritual point of view.

Ngāti Tamaoho and Stevenson Aggregates Limited Meeting minutes and actions

Meeting date	20 July 2023 – 2pm
Attendees	Jo Young (SAL) Lucie Rutherford (NT) Edith Tuhimata (NT) Beau White (NT) Ben Leonard (NT)
Location	Drury Quarry office
Apologies	Beau White (NT) Tara Edwards-Tusa
Next meeting date	22 August 2023 – 10am

<u>Cultural Induction</u> Jo, Kurt and Ben commented on how helpful they found the cultural induction last month. Also grateful for taking the time to explain things so thoroughly to us.		
Jo explained that as a team we went away and considered everything we heard. We also spent an afternoon and walked across the farm.		
<u>Updated Pit Plans</u> SAL have been working on some plans and they were presented to NT for consideration.	NT will consider these plans on Tuesday 25 July and come back to Jo with their views.	Lucie / Edith
<u>Conveyor</u> These plans include protecting as much of the area identified by NT (except for around the access). This includes a 20m riparian edge, and protection of a greater extent of stream. However it was discussed that a conveyor would be used to transport rock, and that would dramatically reduce truck movements. Trucks would primarily use the road at start up and close down of the site.		
<u>Extending pit beyond zone boundaries</u>	SAL will be working on refining the (very draft) plans, over the next few weeks. This will involve re-	Jo

To make this work, SAL would need support to extent the pit in another direction (north or east) outside the zone boundary. NT indicated north would be best, and SAL agreed.	assessing the pit, and confirming aggregate loss and making a plan to find that in a northerly direction.	
<u>Updated archeological assessment</u> Edith noted that an additional archeological assessment will need to be undertaken in the new northern area. Jo agreed.	When a new plan is confirmed, Kim Tatton will be engaged to do that assessment	Jo
<u>Protected area to be planted?</u> Kurt asked if the area to be protected should be kept as grass, or planted up.	- General consensus was that it should be planted. - Jo will bear this in mind as new ecological mitigation plans are developed along with the updated pit. - It would be good to use seeds from the lost SEA area to plant up this area.	Jo
<u>Cultural Management Plan</u> Karl had mentioned this and Jo asked if NT would be interested in this.	Potentially.	
<u>Wood for carving</u> Jo mentioned there was a small stand of trees west of the existing pit where SAL are looking to fell (to extend the pit into this area). Will provide more detail as application progresses, but could be a good test for how SAL and NT work together regarding felling and where logs are kept and managed.	- NT would like to get in with a spray can. - Jo to provide details of the species in the stand. - Will have more information in a month.	
<u>MOU</u> Ben agreed to type this up, and then distribute.		Ben
<u>Nursery Visit</u> At the end of the meeting, We all jumped in our cars to go and visit the NT nursery site on Fitzgerald Road. Lots of exciting potential including mara kai and rangatahi classrooms and kainga.	- Edith to get in touch with Kurt when NT are at a point that they need metal. - Look for other opportunities for NT and SAL to work together on this. - SAL sites available for seed collection; - SAL also keen to purchase plants once up and running.	

Ngāti Tamaoho and Stevenson Aggregates Limited Meeting minutes and actions

Meeting date	14 September 2023 – 10am
Attendees	Jo Young (SAL) Tara Edwards-Tusa (SAL) Lucie Rutherford (NT) Edith Tuhimata (NT) Beau White (NT) Ben Leonard (NT)
Location	Drury Quarry office
Apologies	
Next meeting date	24 October 2023 – 10am

<u>Tuakau Farm</u> Discussion regarding SAL taking over ownership of this farm and finding our feet in terms of how to manage it. Long term part of the farm will become wetland, and the riparian planting along the streams.	Potential site visit in the future particularly given Lucie's experience with farming, and the intersection of farming and sustainability.	Jo
<u>Pit Plan</u> Jo presented the updated pit plan which was as NT expected. This shows a greater extent of protection around Kārearea pā, and a pit increase in the north (outside the quarry zone). We also viewed the draft updated terrestrial planting plan which shows planting in the new protected area. Lucie, Edith and Beau were all comfortable with the new plans, and expressed their thanks for being part of a meaningful engagement process with NT. Jo also thanked the team for bringing SAL along on the journey, and allowing us the time to arrive at a	Edith to provide an email outline that NT are comfortable with current plan. In mid-November once the final AEE is ready, NT to provide an updated to their Cultural Values Assessment.	Edith

mid-point where both parties are comfortable.		
<u>Update on other iwi</u> Jo explained that she is working with four other iwi and has presented the plan to them. There is a site visit next week with some of those parties.		Jo
<u>Cultural Management Plan</u> Jo explained that NTA assessment is seeking a CMP. NT indicated they would also like to be involved in that. Many of that matters that would be covered by a CMP have been discussed throughout the engagement process.	This can be noted in the NT CVA. It will also be offered as a condition of consent.	Jo
<u>Western Façade Project</u> Jo gave the team an update on this project and showed where the mitigation was likely to go. Also showed photos. Application likely to be ready in about 6 weeks, and then I will send it to NT. Also potential to come and walk around the area to be lost, and area to be planted up. Also potential to identify trees trucks to be kept.	Potential for NT to be involved in preparing and implementing the weed and pest control strategy for this project. Jo to discuss with Bioresearches and report back.	Jo
<u>NT nursery works</u> Edith is getting the nursery up and running. She will email Kurt next week out getting some metal for the road. She would also like some help from Envoco.	Jo to call Ohara from Envoco and explain the situation and then connect Ohara and Edith up.	Jo / Edith
<u>MOU</u> SAL have some capacity to type this hard copy document up.	Jo to organize	Jo

Ngāti Tamaoho and Stevenson Aggregates Limited Meeting minutes and actions

Meeting date	24 October 2023 – 10am
Attendees	Jo Young (SAL) Beau White (NT)
Location	Teams
Apologies	Tara Edwards-Tusa (SAL) Lucie Rutherford (NT) Edith Tuhimata (NT) Ben Leonard (NT)
Next meeting date	All iwi workshop, 28 November 2023, 10am, Drury Quarry offices

<u>Archeological Site visit</u> Beau and Kim Tatton went to the "new northern area of the pit. Nothing of note found. They also had a look at the buffer sought around the existing arch site. This is currently 17m from the proposed pit (and including the buffer within the arch site, is likely to be around 20m). Beau indicated NT would like to see this buffer maximized.	Jo indicated she would look into this, and report back.	JY
<u>Planting within part of arch site</u> Jo has been working with Envoco and Kim to remove the deep rooting planting from the lower part of the site.	Will keep you posted.	Jo
<u>CVA</u> Jo hoping to get the CVA updated following the various changes that have been proposed this year.	Jo to mention this to Ben	Jo / Ben
<u>MOU</u> MOU currently with Ben.	Ben to review with his team, and get it back to SAL when happy with it.	Ben
<u>Western Facade</u>		



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Application likely to be ready in a week or so.	Jo to send to NT as soon as it is prepared.	Jo
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Ngaati Te Ata and Stevenson Aggregates Limited Meeting minutes and actions

Meeting date	7 July 2023
Attendees	Jo Young (SAL) Karl Flavell (NTA) Kurt Hine (SAL)
Location	Teams
Apologies	
Next meeting date	24 July 2023

Discussion	Questions / Comments / Actions	Responsibility
<u>Kārearea pā protection</u> Jo presented an update on where things were at in relation to the protection extent.	Agreed to meet onsite at Drury on 24/7/23. Karl may bring some kaumatua with him. At that meeting we will: • Jo to present Kārearea presentation, and discuss feedback; • Kurt and Karl to discuss MOU; • Another site visit.	Jo

Ngaati Te Ata and Stevenson Aggregates Limited Meeting minutes and actions

Meeting date	24 July 2023
Attendees	Jo Young (SAL) Karl Flavell (NTA) Kurt Hine (SAL)
Location	Teams
Apologies	
Next meeting date	TBC – when SAL have updated plans

Jo explained that following the Ngaati Tamaoho (NT) cultural induction, SAL went away and considered everything we heard. We also spent an afternoon and walked across the farm (across the pit extent).		
<u>Updated Pit Plans</u> SAL have been working on some plans and they were presented to NT for consideration, and are now being presented to NTA. They are very conceptual, and need a lot of refinement.		
<u>Conveyor</u> These plans include protecting as much of the area identified by NT / NTA (except for around the access). This includes a 20m riparian edge, and protection of a greater extent of stream. However it was discussed that a conveyor would be used to transport rock, and that would dramatically reduce truck movements. Trucks would primarily use the road at start up and close down of the site.		
<u>Extending pit beyond zone boundaries</u> To make this proposed protected extent work, SAL would need support to extend the pit in another direction (north or east) outside the zone boundary, to offset the rock	SAL will be working on refining the (very draft) plans, over the next few weeks (if NTA and NT are supportive of the concept).	

loss. SAL are working on a northerly direction, based on NT feedback.		
<u>Planting on area to be protected?</u> NT have indicated they would support planting of the area to be protected. Karl (NTA) felt this needed a wider discussion. Concern that planting may destroy archeological / cultural heritage.	Was agreed that once pit plans confirmed than Jo would facilitate a wider discussion with all iwi.	Jo
<u>NT / NTA relationship</u> Karl explained that NTA supported NT in this Kaupapa, but NTA were self determining. At any point they may diverge from that support.		
<u>MOU</u> Karl, Jo and Kurt went through the draft MOU on the screen and made track changes.	Jo to send this back to Karl for final edits. Then it will go to SAL lawyer for review.	Karl

Next Steps

- If support from NT and NTA is received tomorrow, SAL will refine the pit plans over the next few weeks;
- Once refined plans will be presented to NT and NTA (at joint Teams meeting). As part of that meeting we can discussion whether planting in the protected extent is appropriate.
- Once NT and NTA agree to final plans, they will be presented to all other iwi with an interest.

Ngaati Te Ata and Stevenson Aggregates Limited Meeting minutes and actions

Meeting date	31 August 2023
Attendees	Jo Young (SAL) Karl Flavell (NTA) Kurt Hine (SAL)
Location	Teams
Apologies	
Next meeting date	10 October 2023, 1.30pm

Discussion	Questions / Comments / Actions	Responsibility
Updated pit plan presented, showing area around Kārearea pā preserved, and pit moving in a northerly direction.	Karl satisfied with this change. Karl noted that the plans had evolved and NTA comments had been accommodated.	
Jo asked whether NTA would like the area around Kārearea pā planted up or retained as paddock.	NTA would prefer it is planted up.	
Karl indicated the CVA was in a draft format. Jo and Karl agreed they would look over this together.	Karl to send to Jo as a start.	
MOU is sitting with the NTA Board.	SAL will wait.	
Sutton Block AEE expected to be complete in mid-November and will be sent to iwi.		Jo
Now that NTA and NT are comfortable with plans, Jo will now discuss with all other interested iwi.		Jo

Ngaati Te Ata and Stevenson Aggregates Limited Meeting minutes and actions

Meeting date	10 October 2023, 10am
Attendees	Jo Young (SAL) Karl Flavell (NTA) Kurt Hine (SAL)
Location	Teams
Apologies	
Next meeting date	Tuesday 14 November 1.30pm

Discussion	Questions / Comments / Actions	Responsibility
Karl has sent the CVA through to Jo.	Jo has a couple of comments: 1. Plans need to be updated. Jo will send through the updated plans once these have been created – approx. 2 weeks; 2. Appendix B news stories need some context. Jo and Karl to work on further; 3. A bit more context about the two year relationship and changes to pit plans might be helpful. Jo and Karl to work on further.	Jo & Karl to liaise.
MOU is sitting with the NTA Board.	Karl indicated some things did not sit comfortably. Jo and Karl to discuss further.	
Karl interested in timing as things had slipped.	Sutton Block AEE expected to be complete in mid-November, with lodgement pre-Xmas. Karl suggested an all iwi workshop at that point. Jo suggested bringing along all experts as well, to talk through the final application. Jo to send out an invite.	Jo
Site visit will all other iwi	Jo taking Te Ākitai Waiohū, Ngaati Whanaunga and Ngāi Tai ki Tamaki around on 13/10/23.	Jo

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Ngaati Whanaunga, Te Ākitai Waiohūa, Ngāi Tai Ki Tamaki and Stevenson Aggregates Limited Meeting minutes and actions

Meeting date	13 October 2023
Attendees	Rev Butler (NTKT) Jeff Lee (TAW) Stuart Renata (NW) Jo Young (SAL)
Location	Teams
Apologies	Stephanie May
Next meeting date	Tuesday 28 November 10am - workshop

Topic	Discussion
<u>Update on the Sutton Block consent.</u>	- Jo gave everyone a presentation as to what had happened over the last 6 months with regards to the Council process, seeking greater protection of the pā site. - Jo explained the various protection extents sought, over that time, and where agreement had landed. - Those updated maps were presented.
<u>Visit to site</u>	All parties hopped in cars and went up to the site, to fully appreciate the new pit plans and where the changes have landed.
<u>Next steps</u>	- In terms of timing, Jo is expecting a draft application to be ready late November, and is proposing to have a workshop with all iwi to give everyone an overview. - Date is 28 November – invite to come through ASAP. - SAL expect to lodge pre-Xmas.

Ngaati Te Ata and Stevenson Aggregates Limited Meeting minutes and actions

Meeting date	14 November 2023, 9am
Attendees	Jo Young (SAL) Karl Flavell (NTA) Kurt Hine (SAL)
Location	Teams
Apologies	
Next meeting date	12 December 2023, 1.30pm

Discussion	Questions / Comments / Actions	Responsibility
Karl has sent the CVA through to Jo.	Jo has a couple of comments: 1. Plans need to be updated. Jo will send through the updated plans once these have been created – approx. 2 weeks; 2. Appendix B news stories need some context. Jo and Karl to work on further; 3. A bit more context about the two year relationship and changes to pit plans might be helpful. Jo and Karl to work on further.	Jo & Karl to liaise. Pause for now until after 28 November workshop. Be good to pick this up again at the 12 December meeting.
MOU is sitting with the NTA Board.	Karl indicated some things did not sit comfortably. Jo and Karl to discuss further.	Karl
Karl interested in timing as things had slipped.	Sutton Block AEE expected to be complete in late-November, with lodgement pre-Xmas. All iwi workshop happening at 28 Nov, with experts. SAL will definitely lodge before Xmas. But will continue to work with iwi groups.	Jo
Iwi engagement overview document – Jo drafting this up now.	Jo to send this through to Karl and Edith (NT) for initial review.	Jo
Drury Islands – there is a new project manager and Karl would like to see if there are opportunities to continue the planting.	Karl to arrange for Jo to meet with Ed Hall.	Karl

Attachment 32

Site Visit Minutes

Site: Karearea Pā – Stevensons Quarry, Drury

Site visit date and time: 18 November 2022 – Between 11am and 1pm

Parties present: Edith Tuhimata (ET) – Ngāti Tamaoho; David Fraser (DF) – Ngāti Te Ata; Jo Young (JY) / James Milne / Kurt Hine (KH) – Stevensons, Matthew Gouge (MG) – Auckland Council,

Site discussions:

- Introductions made and safety briefing.
- General discussion about the current nominated site and the growth plans for the quarry out to 35 years. JY provided MG with maps illustrating existing, 10yrs, 15yrs, 20yrs, 35yrs (approximately). Fulton Hogan now run the quarry under the title Stevensons Aggregates Limited. Referred to as 'Stevensons' in these minutes.
- Discussed the current heritage extent scheduled in the AUP and the archaeological assessments of early Māori occupation of the site. MG noted that if scheduling went ahead, would also look to amend the existing historic heritage schedule to include a mana whenua criterion for the Ballards Cone site and proposed name change in Unitary Plan.
- MG outlined current plan change investigation process – looking to identify most appropriate response (if any) to protection of cultural values of the pā site. This can include non-regulatory methods (MOU, covenant) or scheduling in the AUP as a site and places of significance to mana whenua (Schedule 12). Formal plan change process would be dependent on planning committee approvals and would involve submissions and hearing. Stevensons as landowner would be notified.
- JY advised that Stevensons have an ongoing relationship with several iwi authorities as part of consenting the site and future expansion consents (to be lodged early next year). Stevensons are speaking with five iwi currently – Ngāti Tamaoho (NT), Ngāti Te Ata (NTA), Ngāi Tai ki Tāmaki, Ngāti Whanaunga, Te Akitai Waiohū.
- ET and DF confirmed that the enlarged extent was due to the existing contours of the hill (maintaining context that the pā is on a hill).
- Discussions between NT and NTA have raised a question of access around the pā. Iwi are concerned that access to the rear quarry via a western access road will result in significant vibration effects on the pā. KH suggested one dump truck every 3 mins.

Iwi seek an eastern access through SEA and Rural - Mixed Rural Zone land. Consenting risk identified with this however would need to be balanced with avoidance of effects on cultural heritage. ET expressed a desire for seed collection and using tree nursery to replant.

- Identified that western extent of nominated site has been largely quarried. No intention of Stevensons to quarry fully around western extent of pā. No intention of Stevensons to quarry fully around eastern extent of pā.
- ET and DF expressed concern about how the site would be remediated. No houses on western extent was a preference. Iwi seek to be involved in remediation of the site. JY advised that remediation was a long way off and with the growth currently being experienced in Drury, it is difficult to foresee what remediation would look like. MG advised that prior to any future development on the quarry, a plan change would be required to rezone from quarry zone. Iwi would be involved in that process and a scheduled pā in close proximity would most likely be considered. Difficult to foresee future scenarios that far in advance (given current legislative change).
- No risk of obstruction of viewshafts from current activities. ET noted she has found no archaeological evidence of occupation on new northern quarry site. Ongoing site access to pā is sought by iwi. KH mentioned that iwi are welcome to access the site currently any time they wish. All that is required is some notice to arrange access in a hazardous environment.
- Approach to weed control within the pā a matter of interest. Pā is fenced with a deer proof fence as per consent conditions. No protective covenants on the titles for the pā and immediate surrounds according to council search (MG).
- Stevensons is keen to continue working with iwi representatives while fleshing out the expansion consent to resolve outstanding issues. This could run parallel with any plan change process for early next year.
- There is an inherent policy conflict between scheduling as a site of significance to mana whenua and quarry zone activities.
- MG noted that the provision of aggregate is an important matter regionally and will remain so in the face of a strong government growth agenda for houses and infrastructure over the coming years. JY mentioned she has a large amount of data on this.

End of site visit – 2pm.

Attachment 33

Landowner/Iwi Discussion Minutes

Site: Kārearea Pā – Drury Quarry

Site visit date and time: 20 February 2023 – Between 1pm and 2pm

Parties present: Lucie Rutherford (LR) – Ngāti Tamaoho.
Jo Young (JY) / Kurt Hine (KH) – Stevenson Aggregates Ltd.
Sheri-Ann Atuahiva (SA), Matthew Gouge (MG) – Auckland Council.

Unavailable: Karl Flavell – Ngāti Te Ata
Edith Tuhimata, Ngāti Tamaoho

Site discussions:

- MG briefly stated that the intention of this hui is to discuss the overlaps between discussions on the sites of significance plan change and resource consent application for the quarry expansion.
- JY referred to latest quarry map (**attached**) with the proposed future pit extent which is currently being discussed as part of the new resource consent proposal. Stevenson hoping to lodge consent application early 2023. After consultation with iwi, access to new area is proposed to go around the western extent of the pā area. Iwi sought investigation of an alternate route around the eastern extent of the pā area, but this was abandoned after iwi had walked the eastern alignment route.
- Discussion of rationale of larger nominated site extent. MG stated that landscape considerations are one rationale, a pā sited within its hill extent. MG would confirm further detail on that with iwi. Stevenson stated the enlarged extent is a concern for them.
- Question around north-east extent rationale. MG observed that this seemed to be the most difficult part of the extent for parties.
- Some discussion about SEA to the northeast. LR seeks protection of that SEA and stream. JY advised that hasn't been raised as part of the resource consent discussions with iwi. KH advised that protection of both the north-eastern nominated site extent and SEA would make it impractical to mine small area in between. Scheduling of full north-east extent would represent a loss of mineable Quarry Zone land with financial and aggregate supply repercussions to the region. Viable quarry sites are difficult to find in the Auckland region. MG requested an understanding of financial implications to the operation to inform his evaluation.
- JY agreed to come back with some information at the next meeting about the aggregate left behind if largest north-eastern protection area is maintained, and also if SAL choose not to seek consent to quarry the SEA area. LR agreed this was a good idea.

- There appeared to be scope for trade offs to be made and all parties are willing to continue the discussion. MG noted that Ngāti Te Ata representatives were unavailable and would need to be part of the discussion from a sites and places of significance perspective. Parties to discuss internally and consider further.

End of meeting – 2pm.



Stevenson Aggregates Limited
 Drury Quarry
 Corner Quarry / Fitzgerald Roads, Drury
 Auckland

**All Iwi Engagement and Stevenson Aggregates Limited – Sutton Block
 Expansion
 Workshop Meeting Minutes and Actions FINAL**

Meeting date	Tuesday 28 November 2023 10:00am- 1:00pm			
Attendees	Lucie Rutherford	Ngāti Tamaoho	Parviz Namjou	Groundwater Specialist – PDP
	Ben Leonard	Ngāti Tamaoho	Kim Tatton	Archaeologist – Clough & Associates
	Beau White	Ngāti Tamaoho	Tom Lines	Landscape Architect – Boffa Miskell
	Edith Tuhimata	Ngāti Tamaoho	Jess Urquhart	Principal Planner – Tonkin + Taylor
	Jeff Lee	Te Ākitai Waiohū	Andrea Brabant	Planning Lead – Tonkin Taylor
	Stuart Renata	Ngāti Whanaunga	Cambell Stewart	Erosion & Sediment Control - Southern Skies Environmental
	Jo Young	Consents Manager - SAL	Aaron Graham	Blasting & Vibration – Orica
	Kurt Hine	General Manager Aggregates - SAL	Jenni Shanks	Terrestrial Ecologist - JS Ecology
	Tara Edwards-Tusa	Kaiārahi & Environmental Compliance Manager - SAL	Laura Drummond	Freshwater Ecologist Bioresearches
	Tua Gabriel	Environmental Planner - SAL		
Location	Drury Quarry Office - 70 Davies Road, Drury			
Apologies	Karl Flavell – Ngāati Te Ata Rev Butler – Ngāi Tai Ki Tamaki			

Workshop was opened with a Karakia by Tara

Discussion	Action Required	Responsibility
– Ngaati Te Ata CVA seeks a consent condition for a Cultural Management Plan (CMP). Throughout the hui various matters were discussed to be included in the CMP. These include: - Management of Karearea pā/Ballards Cone - Naming of MacWhinney Reserve - Pest control - Planting input	Ensure draft conditions set includes a condition for a CMP to be prepared by all iwi groups jointly.	Jess
PowerPoint Presentation	PowerPoint presentation to be sent around to attendees	Jo
AEE to include – ‘organic and chemical flocculant’ and referred to in the consent conditions	Adopt this wording into the AEE and proposed consent conditions	Jess
Accidental Discovery Protocol	Edith (NT) asked the archaeologist and SAL team for a ‘bespoke’ accidental discovery protocol to be incorporated into the Authority to Modify application. The Authority to Modify to be prepared with iwi input.	Kim Tatton
Impact of quarrying on manu (bird) Karearea nesting in Ballards Cone	Jenny informed Ben that she will look into this with her team and come back to Ben with this	Jenni Shanks
Requested data on water quality and stream base flow for NT1 and Maketu.	Edith (NT) asked to see water quality and stream base flow data for the stream that the quarry management system discharges to and for the Maketu Stream where supplementing is proposed.	Jo and Parvis

Discussion

Overview of the Project – Presented by Kurt

Overview of the Drury Quarry current operations and proposed expansion was provided.

- Question from Edith – What is the buffer area from the archaeological site R12/278? Kim noted that the quarry will be 16m from the edge of R12/278, and there is also a buffer inherent within R12/278. This is the narrowest part of the site with Kārearea pā on the other side. Kim noted that this was an acceptable buffer.

Overview of the Resource Consent – Jess Urquhart

Brief overview of the triggers for resource consent was presented which include the overall activity status as non-complying activity. There will be consents required under the national policy statements and national environmental standards. Once all the specialists reports are in and the AEE is finalised a copy of this will be circulated.

- Question from Lucy – How will the stream be diverted in the SEA area? Jess noted that the diversion of the stream occurs on the quarry benches. This needs to happen due to the slope.
- Question from Jeff – Is the area of this stream in the Quarry Zone? Jess confirmed that this area is just outside the Quarry Zone

Archaeology – Kim Tatton

Overview of the Drury archaeological sites was presented.

- Question from Edith – What is R12/278? Kim responded that it was an old mining site with natural slumping and is outside of the Sutton Block.
- Question from Edith – There may still be some unrecorded archaeological artifacts located within the Sutton Block, and asked if an application will be submitted to Heritage NZ? Kim confirmed this would happen.
- Question from Jeff – Will you be drafting an archaeological management plan? Kim confirmed that she's written an archaeological assessment which is the requirement.
- Question from Edith - inquired whether Kim be able to put together a bespoke accidental discovery protocol that is specific to the Sutton Block and not have to rely on the generic accidental discovery protocol. Kim agreed this is possible – this has been highlighted as an action point.

Erosion and Sediment – Campbell Stewart

- Questions from Lucie - How will proposed access will be constructed? Will the dam be removed? And how will the stream be diverted? Will there will be permanent change to the stream in this location? Have the design of the proposed culvert (i.e., sizing of the culvert) incorporated the volume of water to be diverted? Campbell responded with some of the engineering details to enable the construction of the 20m wide haul road at this pinch point. The proposed engineering works plans have been separated into ten stages and will be staged over a few years. The stream will be diverted prior to the dam release. This will ensure that dam will be released in a controlled manner into the same water system. Clean water is diverted into the other branches of the stream of the same water system. This will be a permanent change. Jess confirmed that this work will be undertaken together with the freshwater ecologists to ensure fish passage is maintained. Once these works are complete, the stream diversion will have riparian planting on both sides of the streams.
- Lucy commented that Ngāti Tamaoho expects the engineering works to be undertaken over and above GD05. This was agreed to by Campbell. Campbell also noted that the existing quarry activity is well above and beyond GD05,
- Question from Lucie – Will organic flocculant will be used? Campbell responded that bench testing is required to confirm flocculant to be used because often material depth impact the efficiency of the flocculant. Jo discussed that Karl had asked for a condition of consent to require a Cultural Management Plan (CMP). This request could be noted in the CMP. Lucie commented that the wording in the AEE should include 'chemical and organic flocculant' that a consent condition. General agreement on this point.

Landscape & Visual – Tom Lines

Tom discussed the general visibility of the proposed quarry, proposed planting to screen the future pit and discussed the outstanding natural landscape (ONL) which is north of the

proposed pit. He also noted that screening required planting of exotic trees due to their speed of growth.

- Question from Jeff – How far away is the proposed pit from the ONL? Jo and Tom confirmed the ONL is at least 50m from the edge of the proposed pit.
- Question from Lucie - Why are exotics proposed? NT would prefer and pines are removed and replaced with indigenous planting. Tom responded that the impacted neighbours need mitigation planting of fast growing trees that will screen their view of the proposed quarry. Jenni explained that indigenous planting are slow growing, with 30 year old growth reaching only around 10m in height.
- Jeff suggested larger specimen indigenous trees, but Jenni indicated these have a low survival rate.
- Question from Jeff – What is SAL's proposed management of Karearea Pā? Kurt and Jo responded that other than fencing off of the pā site, SAL is also working with Auckland Council regarding a greater protection extent (possibly a plan change). Andrea suggested whether this may be something that could be included in the Cultural Management Plan – The management of the pā and how iwi want to be involved.
- Edith and Lucie raised concerns with the proposed exotic planting. Tom explained that some residents have views into the quarry due to the topography Therefore it is important that fast growing exotics are planted to ensure their view of the proposed quarry is screened. Edith and Lucie agree that one row of exotic planting may be acceptable, particularly as over time native vegetation would overtake those fast growing exotics.

Terrestrial Ecology – Jenni Shanks

Jenni presented on the proposed ecological package which includes the removal of 9.7ha of indigenous vegetation and removal of 5.7ha of exotic vegetation. She then discussed the revegetation planting of approximately 41ha, creation of new rock forest and pest management

- Questions from Edith - Were cultural values considered as part of this mitigation package? Jenni discussed the riparian planting along the streams and replanting of the pā site. She also outlined that seeds will be collected from the existing vegetation onsite.
- Question from Jeff – Why is kanuka proposed to be planted around pā site? Jenny explained that kanuka is a nursery species and broadleaf podocarp forest (as is located within the pā site) will follow.
- Question from Ben – What is the potential impact from quarrying on the 'manu' nesting in pā site? Jenni responded that whilst she's not an ornithologist (bird specialist) that she understands that currently the environment is a fragmented landscape area and birds are used to this fragmented vegetation. She also noted that the SEA area within the site connects to a much larger swathe of vegetation. Shwill also discuss this with an ornithologist.

- Question from Stuart regarding the timing of any tree felling whether this will occur outside of breeding season. Jo responded that tree felling will take place outside of breeding season, and this is a pretty standard consent condition.

Freshwater Ecology- Laura Drummond

Laura provided an overview of the proposed diversion of approximately 55m of stream, reclamation of 2.8km of stream and loss of approximately 1.9ha of wetland. She also discussed the re-naturalisation of the existing upper dam. The offsite freshwater compensation will be undertaken at the Tuakau farm site.

- Question from Jeff – What is the methodology for the proposed stream diversion? Will it be gradual? How will it occur? Laura, Jo and Jess provided an overview of how they will be lost over a long timeframe, and how that water including stormwater will be managed in the pit.
- Question from Edith – What fauna found in the streams? Laura confirmed the species sited in their survey included tuna and koura. Jess and Laura reconfirmed that riparian planting will undertaken along all the streams within the site.
- Question from Lucie – Is the Tuakau farm site prone to flooding? Jo confirmed that this area floods due to its low lying nature and the proximity to the Waikato River. Lucie recommends that two wire fencing should be installed on these parts of the site to ensure they are not washed away in any floods.

Groundwater – Parvis Namjou

Parvis provided an overview of the highly conservative assessment of potential groundwater and surface water effects. The assessment is informed by years of data collected from Drury Quarry monitoring bores and Simons Hill Quarry. The Hunua Fault traverses the site which acts as a regional groundwater barrier, and a second fault is located nearby. The Sutton block is located within the Hunua and Drury Greywacke Blocks. Until partial removal of the Hunua Fault occurs it is hard to predict groundwater drawdowns. It is highly likely that there are other faults nearby that will reduce predicted groundwater drawdowns and extent of zone of influence.

The maximum groundwater diversion rate sought is 19,190m³/d (during Stage 4) with a zone of influence. The main potential effect of groundwater diversion and take is stream depletion effects on potentially five streams (Maketu, Northern Tributary (NT1), Mangawheau, Hingaia and Wairoa Stream). Maketu Stream depletion effects is predicted from Stage 2 – 4 while other streams are from Stage 4 onwards. To mitigate stream depletion effects on Maketu a supplementary bore (to be located within SAL property) is proposed to supplement the Maketu with groundwater from the same aquifer that naturally supplements the stream. The supplementing regime will be informed by stream base flows and stream quality data. The other streams will be monitored during Stages 1 -3 to understand if stream depletion effects are likely. If so, they will also be supplemented by a bore.

- Question from Lucie - What is diverted groundwater used for? Does it go back into the streams or used for dust suppression? Mana whenua preference is for it to be put back into the streams (awa) not used for operational activities. Jo and Parvis advised that the water being diverted from the pit is a combination of rainwater and groundwater and that is hard to distinguish which is which. Some of the water is used for dust management but majority of it is treated and put back into the awa (NT1). It was also discussed that SAL have world class recycling system, that water is recycled throughout the quarry to be reused for the quarry activities.

- Question from Jeff – Do current quarry operations impact any nearby streams? Parvis explained that the Drury Quarry results in stream depletion effects on the Peach Hill stream. SAL currently have a bore that supplements the base flows of the Peach Hill stream and continuous monitoring is undertaken to check the adequacy of flows.
- Lucy and Edith asked that the augmenting of flows to the Maketu and NT1 streams (and others if needed) will be based on water quality and stream base flow data. Parvis confirmed yes. Edith requested a copy of this data.

Vibration – Aaron Graham

Aaron explained the process his team at Orica usually undertakes, which complies with the AUP-OP standards (DIN4150) of 5mm/s at all neighbouring properties.

- Edith made note of Ngāti Tamaoho's concerns regarding the pā site. Aaron explained that blast monitoring on the pā site commenced in September 2023. This monitoring will continue with the new proposed quarry expansion into Sutton Block. Also discussed how blasts are undertaken and managed to ensure that vibration is angled away from sensitive receivers.

Dust, Noise and Transport

Presented briefly by Jo and Jess, iwi is welcome to ask any questions about these effects if there are any questions.

Post Workshop Discussion

Laura and Jenni asked iwi representatives in the room for input on any historical records regarding taonga freshwater species. Edith made note of these to come back to Laura and Jenni

Workshop was closed with Karakia by Tara at 1:05pm

28-11-2023

Drury Quarry Sutton Block Expansion

STEVENSON



Site layout



Overview of proposed works

- Developed progressively over four stages;
 - Stage 1—infrastructure establishment.
 - Stage 2—Operating Quarry (15 year plan).
 - Stage 3—Operating Quarry (30 year plan).
 - Stage 4—Life of Quarry (50 Year plan).

Works include:

- Construction of access road;
- Bund along the northern perimeter of the Sutton Block pit;
- Temporary and permanent stream diversions, stream and wetland reclamation;
- Vegetation removal;
- Construction stormwater, erosion and sediment control management;
- Construction of conveyor belt (connection to existing Drury Quarry);
- Quarrying activities;
- Other ancillary activities.

LIFE OF QUARRY PLAN:

Based on current demand estimates, this pit will provide 50 years of aggregate supply to Auckland. This drawing reflects the full extent of the quarry pit over a 50-year period.



Summary of resource consent requirements

Land-use

- Mineral extraction associated with the quarrying activities
- Earthworks associated with the construction and operation of the quarry
- Removal of vegetation
- Building within floodplains and diversion of overland flow paths

Water permit

- Diversion of streams
- Reclamation and drainage of streams and wetlands
- Take and use of groundwater
- Diversion of groundwater resulting from excavation
- Upgrading of culvert
- Damming of streams

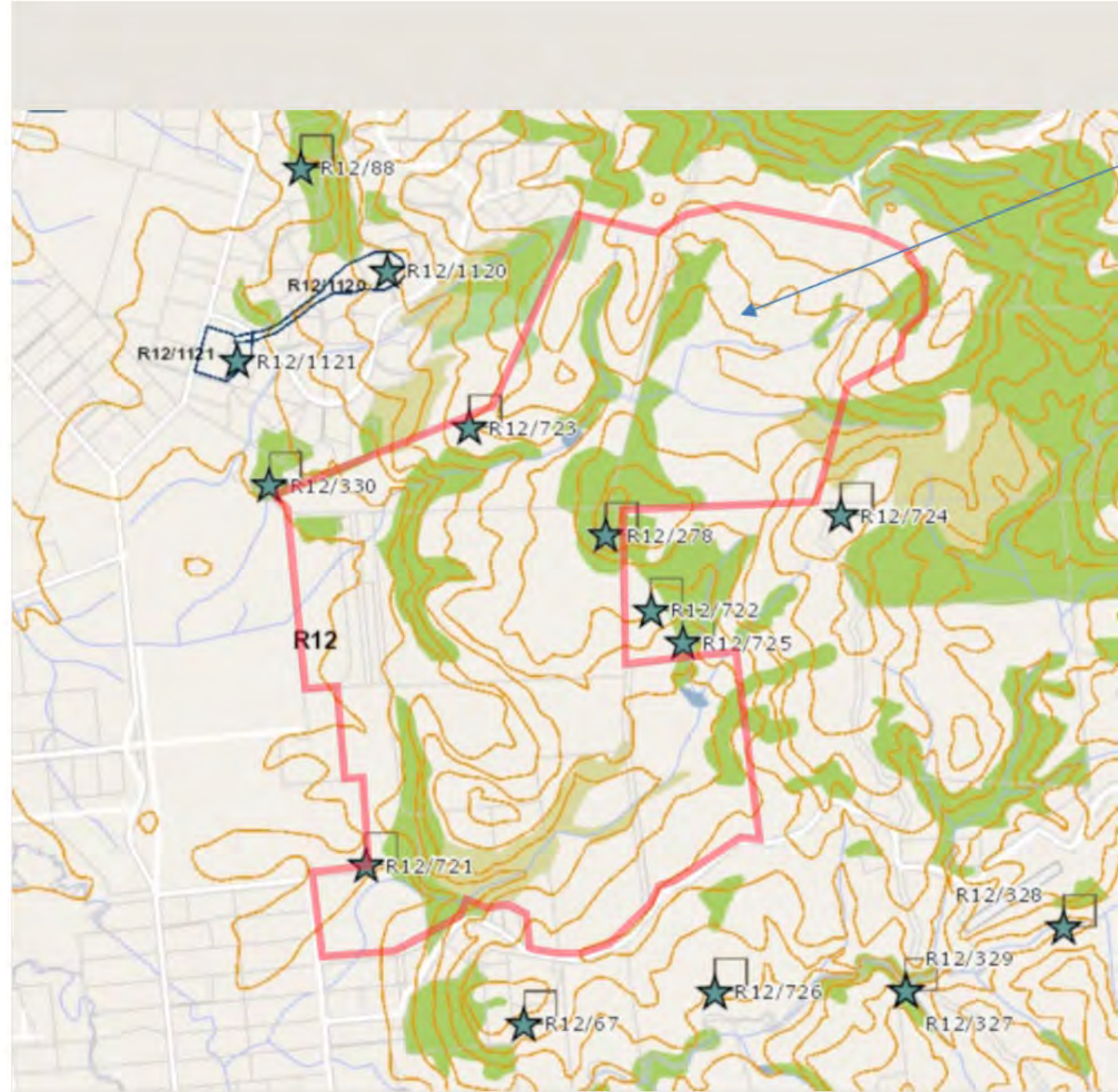
Discharge permit

- Air discharges from mineral extraction processes
- Air discharges from quarrying activities

- Overall non-complying activity
- Public notification

Archaeology

- Archaeological sites within close proximity to Sutton Block:
 - R12/278 (Ballard's Conkarearea Te Maketu – burials, stonework, earthworks, Pā);
 - R12/723 (Pits, Terraces, Stonework, Cultivations); and
 - R12/724 (Plants, Fence, Stonework, Earthworks – Farmstead).
- All works proposed are outside of the archaeological extents.
- Precautionary approach to be applied and an Authority to Modify will be sought.
- Accidental discovery protocol will be observed during the works and determined with iwi partners.



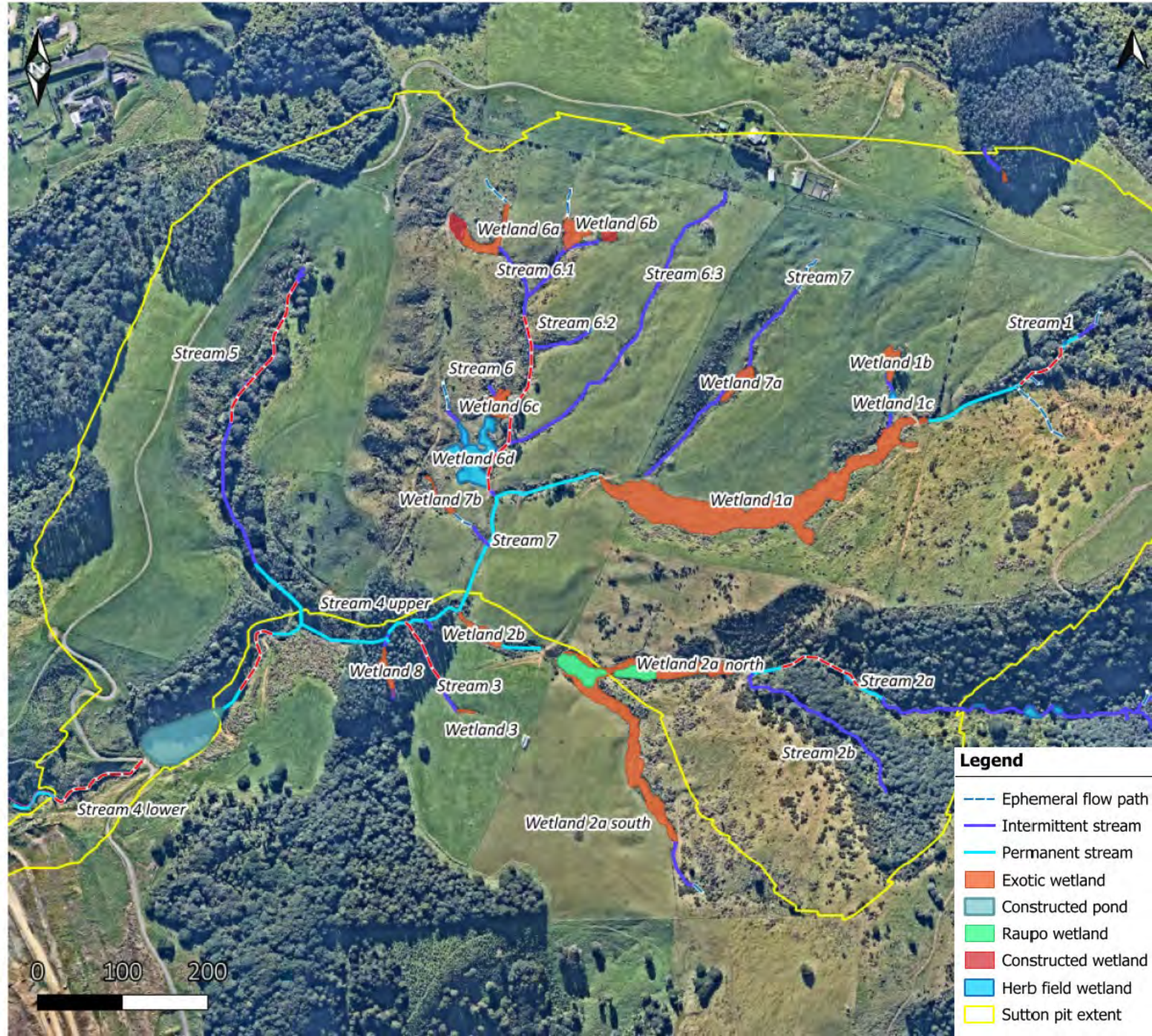
Landscape & Visual

- High degree of change to the site (topography, changes, vegetation, stream and wetland loss).
- Avoid physical effects on the Outstanding Natural Landscape.
- Set back from Ballards Cone/Kārearea pā Historic Heritage Extent of Place.
- Impact on landscape feature of Ballards Cone/Kārearea pā.
- Visual mitigation proposed includes;
 - 15m wide planting buffer along the western edge of pit (Macwhinney Drive)
 - Northern bund
 - Screening vegetation to the northeast of bund (screening Sonja Drive)
 - Screening vegetation to the east of Ballards cone
 - Riparian planting



Ecological modification

- Removal of ~9.7 ha of indigenous vegetation (inclusive of ~7.3 ha from within SEA overlays) including removal of a specified area of rock forest
- Removal of ~5.7 ha exotic vegetation
- Stream diversions of ~ 550 m
- Stream reclamation of 2.8 km and loss of habitat
- Wetland loss of ~1.9 ha
- Relocation of identified fauna

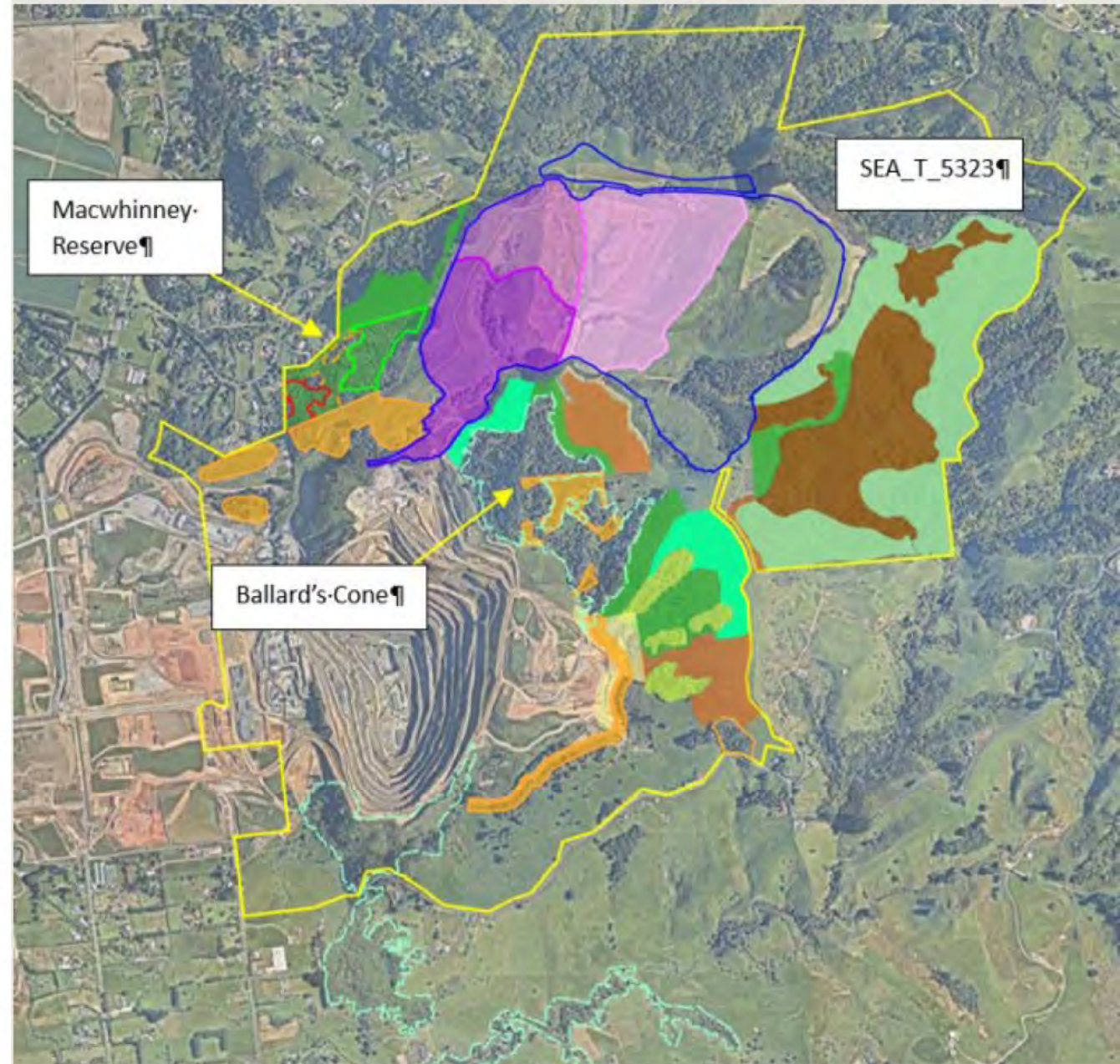


Ecology Management

Onsite (mitigation & offset)

Ecological Management Plan addressing:

- Revegetation planting (~41 ha)
- Enhancement replanting (~70 ha)
- Creation of new rock forest (part of the revegetation and enhancement planting)
- Pest management (within restoration planting)
- Flora & fauna pest management & control
- Renaturalisation of existing constructed pond and stream diversions
- Salvaging of forest resources



Ecology Management

Tuakau Site

- 86 Friedlander Road, Tuakau Approximately 16 km south-east of Drury Quarry

Offsite Freshwater compensation

- Stream enhancement through riparian planting, fencing, and restoration of native fish passage
- Wetland enhancement



Erosion & Sediment

- Stage 1: Infrastructure establishment
 - Works including construction of access and haul roads (including upgrading of new culvert), diversion of watercourses, drainage of existing farm dam and establishment of Northern Bund
 - Erosion and Sediment Control Plan to be developed
 - Examples of environmental controls will include sediment retention ponds, staging of construction, decanting earth bunds, silt fences, and clean and dirty water diversions
- Stages 2–4: Quarrying Operations
 - All site water to be directed into the base of quarry pit and treated via the existing water management system.
 - Standard erosion and sediment control measures proposed
 - Stream diversions to be constructed offline

Works to be undertaken in accordance with GD05



Groundwater & Surface Water

Groundwater

- Highly conservative assessment.
- Four quarry dewatering stages over 50 year timeframe.
- Lowest dewatering level R160m over 88ha.
- Assessed as generally free from contaminants (akin to naturally occurring conditions).
- Groundwater diversion is expected at a maximum rate of 19,190 m³/d during Stage 4.
- Predicted zone of influence 4.4km (stage 2) 7.5 km (stage 4).
- Extensive monitoring proposed to update predicted drawdowns and zones of influence.

Summary of effects:

- No drawdown on shallow (perched) groundwater.
- No drawdown on perched groundwater system or lava flows from Ballards Cone (Kārearea Pa).
- Stream depletion effects predicted.



Surface water

- Loss of stream base flow predicted:
 - Maketu Stream Stage 2 to Stage 4;
 - Northern Tributary (NT1) during Stage 4;
 - Mangawheau Stream (Stage 4);
 - Hingaia Stream (South of Maketu Stream) Tributary during Stage 4;
 - Wairoa Stream during Stage 4
- Mitigation for the loss of base flow will be:
 - Monitoring of stream base flows and water quality
 - Augmenting flow at Maketu and NT1 streams
 - Two bores proposed to be installed within SAL property to supplement Maketu and NT1 streams

Vibration – Blasting

- Blasting will result in shortterm vibration and noise effects.
 - Typical duration of blasting between 0.5-2.5 seconds
- Similar blasting technique proposed as Drury pit.
- Predicted similar vibration levels as currently occurring.
- Comply with AUP standard (DIN4150) mm/s at all neighbouring properties.

Ballards Cone/Kārearea Pā

- Recordings from the boundary of the Pā site commenced September 2023 as a result of iwi concerns.
- Monitoring of blasts from Ballards cone/Kārearea Pā to continue.
- The location of the blast and mitigation measures will influence vibration levels.
- Monitoring will inform mitigation measures to be implemented for Sutton Block.
 - Examples of mitigation measures are the location of blasts and the quantity of explosives.

Noise

Construction – Stage 1 (3-year plan)

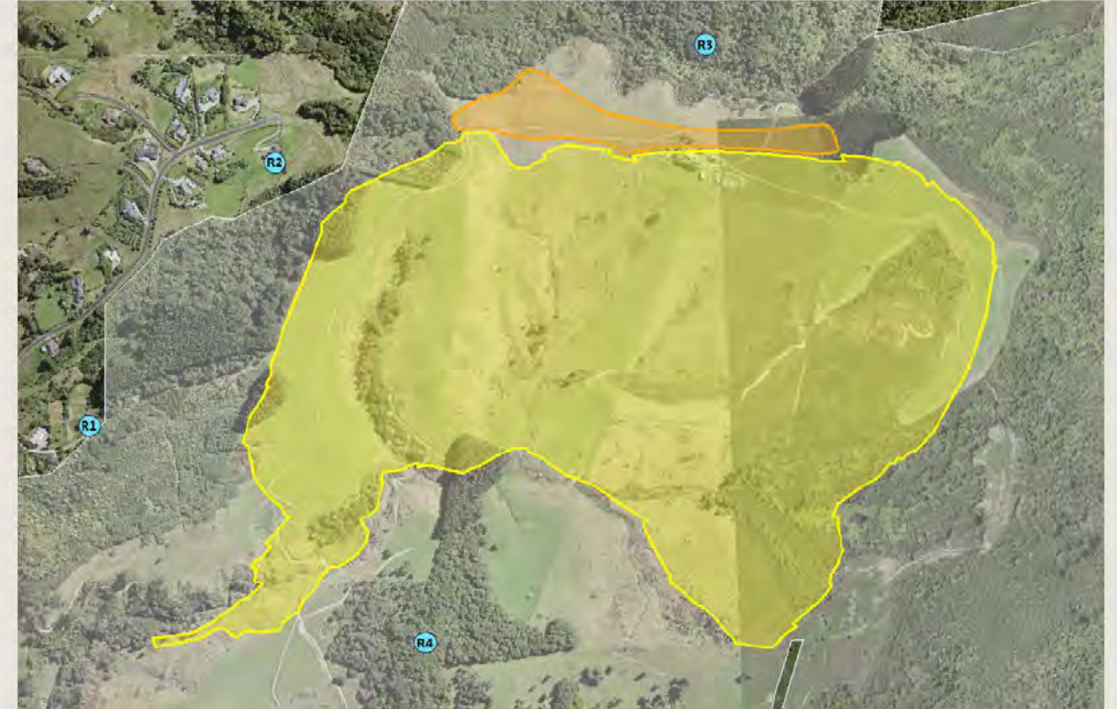
- Will include bulk earthworks, heavy machinery (i.e. excavators, bulldozers, graders and haulage trucks) and other construction-related activities.
- Will comply with the construction noise standards.
- Noise will be managed through restrictions on machinery and the development of a management plan.

Quarry Operation (Stages 2 onwards)

- Similar activities and noise as currently occurring at Drury pit.
- Conveyor belt will result in less heavy vehicle movements.
- Comply with daytime noise limits at all receivers.
- Result in a noticeable change in ambient noise levels for some receivers.
- Night-time operation noise effects currently being modelled.
- As the pit deepens pit edge provides natural screening.
- Noise will be managed through the development of a management plan, ongoing monitoring and effective communication with residents.

Air Quality – Dust

- Potential effects of dust emissions from quarrying operations (esp. during dry conditions).
- Dust will be managed in accordance with Dust Management Plan. Examples include:
 - Monitoring of meteorological conditions
 - Minimising unstable areas
 - Use of water to suppress dust at the site
- Potential of increased dust from the operation of two pits concurrently. Operational management measures will reflect this increased risk.



Location of nearest sensitive receptors that could be affected by nuisance dust

Transport

- No increase in the intensity of external traffic effects.
- Drury South transport network planned and constructed to cater for Sutton Block expansion.
- No changes to quarry entrance or access Bill Stevenson Drive.
- No operational or safety issues predicted.



Next steps

- SAL provide iwi with a comprehensive description of proposed works, mitigation, offset and compensation measures to enable the completion of CVA's.
- Complete AEE to be provided at time of lodgement.
- Lodgement prior to Christmas.
- Iwi engagement to continue in 2024.

Stevenson Aggregates Limited
 Drury Quarry
 Corner Quarry / Fitzgerald Roads, Drury
 Auckland

All Iwi Engagement and Stevenson Aggregates Limited – Sutton Block Expansion Workshop Meeting Minutes and Actions

Meeting date	Tuesday 28 November 2023 10:00am- 1:00pm			
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	Tua Gabriel	Environmental Planner - SAL		
Location	Drury Quarry Office - 70 Davies Road, Drury			
Apologies	Karl Flavell – Ngāati Te Ata Rev Butler – Ngāi Tai Ki Tamaki Stephanie May – Innov8 Consulting			

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Overview of the Project – Presented by Kurt

Overview of the Drury Quarry current operations and proposed expansion was provided.

- Question from Edith – What is the buffer area from the archaeological site R12/278? Kim noted that the quarry will be 16m from the edge of R12/278, and there is also a buffer inherent within R12/278. This is the narrowest part of the site with Kārearea pā on the other side. Kim noted that this was an acceptable buffer.

Overview of the Resource Consent – Jess Urquhart

Brief overview of the triggers for resource consent was presented which include the overall activity status as non-complying activity. There will be consents required under the national policy statements and national environmental standards. Once all the specialists reports are in and the AEE is finalised a copy of this will be circulated.

- Question from Lucy – How will the stream be diverted in the SEA area? Jess noted that the diversion of the stream occurs on the quarry benches. This needs to happen due to the slope.
- Question from Jeff – Is the area of this stream in the Quarry Zone? Jess confirmed that this area is just outside the Quarry Zone

Archaeology – Kim Tatton

Overview of the Drury archaeological sites was presented.

- Question from Edith – What is R12/278? Kim responded that it was an old mining site with natural slumping and is outside of the Sutton Block.
- Question from Edith – There may still be some unrecorded archaeological artifacts located within the Sutton Block, and asked if an application will be submitted to Heritage NZ? Kim confirmed this would happen.
- Question from Jeff – Will you be drafting an archaeological management plan? Kim confirmed that she's written an archaeological assessment which is the requirement.
- Question from Edith - inquired whether Kim be able to put together a bespoke accidental discovery protocol that is specific to the Sutton Block and not have to rely on the generic accidental discovery protocol. Kim agreed this is possible – this has been highlighted as an action point.

Erosion and Sediment – Campbell Stewart

- Questions from Lucie - How will proposed access will be constructed? Will the dam be removed? And how will the stream be diverted? Will there will be permanent change to the stream in this location? Have the design of the proposed culvert (i.e., sizing of the culvert) incorporated the volume of water to be diverted? Campbell responded with some of the engineering details to enable the construction of the 20m wide haul road at this pinch point. The proposed engineering works plans have been separated into ten stages and will be staged over a few years. The stream will be diverted prior to the dam release. This will ensure that dam will be released in a controlled manner into the same water system. Clean water is diverted into the other branches of the stream of the same water system. This will be a permanent change.
Jess confirmed that this work will be undertaken together with the freshwater ecologists to ensure fish passage is maintained. Once these works are complete, the stream diversion will have riparian planting on both sides of the streams.
- Lucy commented that Ngāti Tamaoho expects the engineering works to be undertaken over and above GD05. This was agreed to by Campbell. Campbell also noted that the existing quarry activity is well above and beyond GD05,
- Question from Lucie – Will organic flocculant will be used? Campbell responded that bench testing is required to confirm flocculant to be used because often material depth impact the efficiency of the flocculant. Jo discussed that Karl had asked for a condition of consent to require a Cultural Management Plan (CMP). This request could be noted in the CMP. Lucie commented that the wording in the AEE should include 'chemical and organic flocculant' that a consent condition. General agreement on this point.

Landscape & Visual – Tom Lines

Tom discussed the general visibility of the proposed quarry, proposed planting to screen the future pit and discussed the outstanding natural landscape (ONL) which is north of the proposed pit. He also noted that screening required planting of exotic trees due to their speed of growth.

- Question from Jeff – How far away is the proposed pit from the ONL? Jo and Tom confirmed the ONL is at least 50m from the edge of the proposed pit.
- Question from Lucie - Why are exotics proposed? NT would prefer and pines are removed and replaced with indigenous planting. Tom responded that the impacted neighbours need mitigation planting of fast growing trees that will screen their view of the proposed quarry. Jenni explained that indigenous planting are slow growing, with 30 year old growth reaching only around 10m in height.
- Jeff suggested larger specimen indigenous trees, but Jenni indicated these have a low survival rate.
- Question from Jeff – What is SAL's proposed management of Karearea Pā? Kurt and Jo responded that other than fencing off of the pā site, SAL is also working with Auckland Council regarding a greater protection extent (possibly a plan change). Andrea suggested whether this may be something that could be included in the Cultural Management Plan – The management of the pā and how iwi want to be involved.

- Edith and Lucie raised concerns with the proposed exotic planting. Tom explained that some residents have views into the quarry due to the topography. Therefore it is important that fast growing exotics are planted to ensure their view of the proposed quarry is screened. Edith and Lucie agree that one row of exotic planting may be acceptable, particularly as over time native vegetation would overtake those fast growing exotics

Terrestrial Ecology – Jenni Shanks

Jenni presented on the proposed ecological package which includes the removal of 9.7ha of indigenous vegetation and removal of 5.7ha of exotic vegetation. She then discussed the revegetation planting of approximately 41ha, creation of new rock forest and pest management

- Questions from Edith - Were cultural values considered as part of this mitigation package? Jenni discussed the riparian planting along the streams and replanting of the pā site. She also outlined that seeds will be collected from the existing vegetation onsite.
- Question from Jeff – Why is kanuka proposed to be planted around pā site? Jenny explained that kanuka is a nursery species and broadleaf podocarp forest (as is located within the pā site) will follow.
- Question from Ben – What is the potential impact from quarrying on the 'manu' nesting in pā site? Jenni responded that whilst she's not an ornithologist (bird specialist) that she understands that currently the environment is a fragmented landscape area and birds are used to this fragmented vegetation. She also noted that the SEA area within the site connects to a much larger swathe of vegetation. Shwill also discuss this with an ornithologist.
- Question from Stuart regarding the timing of any tree felling whether this will occur outside of breeding season. Jo responded that tree felling will take place outside of breeding season, and this is a pretty standard consent condition.

Freshwater Ecology– Laura Drummond

Laura provided an overview of the proposed diversion of approximately 55m of stream, reclamation of 2.8km of stream and loss of approximately 1.9ha of wetland. She also discussed the re-naturalisation of the existing upper dam. The offsite freshwater compensation will be undertaken at the Tuakau farm site.

- Question from Jeff – What is the methodology for the proposed stream diversion? Will it be gradual? How will it occur? Laura, Jo and Jess provided an overview of how they will be lost over a long timeframe, and how that water including stormwater will be managed in the pit.
- Question from Edith – What fauna found in the streams? Laura confirmed the species sited in their survey included tuna and koura. Jess and Laura reconfirmed that riparian planting will undertaken along all the streams within the site.

- Question from Lucie – Is the Tuakau farm site prone to flooding? Jo confirmed that this area floods due to its low lying nature and the proximity to the Waikato River. Lucie recommends that two wire fencing should be installed on these parts of the site to ensure they are not washed away in any floods.

Groundwater – Parvis Namjou

Parvis provided an overview of the highly conservative assessment of potential groundwater and surface water effects. The assessment is informed by years of data collected from Drury Quarry monitoring bores and Simons Hill Quarry. The Hunua Fault traverses the site which acts as a regional groundwater barrier, and a second fault is located nearby. The Sutton block is located within the Hunua and Drury Greywacke Blocks. Until partial removal of the Hunua Fault occurs it is hard to predict groundwater drawdowns. It is highly likely that there are other faults nearby that will reduce predicted groundwater drawdowns and extent of zone of influence.

The maximum groundwater diversion rate sought is 19,190m³/d (during Stage 4) with a zone of influence. The main potential effect of groundwater diversion and take is stream depletion effects on potentially five streams (Maketu, Northern Tributary (NT1), Mangawheau, Hingaia and Wairoa Stream). Maketu Stream depletion effects is predicted from Stage 2 – 4 while other streams are from Stage 4 onwards. To mitigate stream depletion effects on Maketu a supplementary bore (to be located within SAL property) is proposed to supplement the Maketu with groundwater from the same aquifer that naturally supplements the stream. The supplementing regime will be informed by stream base flows and stream quality data. The other streams will be monitored during Stages 1 -3 to understand if stream depletion effects are likely. If so, they will also be supplemented by a bore.

- Question from Lucie - What is diverted groundwater used for? Does it go back into the streams or used for dust suppression? Mana whenua preference is for it to be put back into the streams (awa) not used for operational activities. Jo and Parvis advised that the water being diverted from the pit is a combination of rainwater and groundwater and that is hard to distinguish which is which. Some of the water is used for dust management but majority of it is treated and put back into the awa (NT1). It was also discussed that SAL have world class recycling system, that water is recycled throughout the quarry to be reused for the quarry activities.
- Question from Jeff – Do current quarry operations impact any nearby streams? Parvis explained that the Drury Quarry results in stream depletion effects on the Peach Hill stream. SAL currently have a bore that supplements the base flows of the Peach Hill stream and continuous monitoring is undertaken to check the adequacy of flows.
- Lucy and Edith asked that the augmenting of flows to the Maketu and NT1 streams (and others if needed) will be based on water quality and stream base flow data. Parvis confirmed yes. Edith requested a copy of this data.

Vibration – Aaron Graham

Aaron explained the process his team at Orica usually undertakes, which complies with the AUP-OP standards (DIN4150) of 5mm/s at all neighbouring properties.

- Edith made note of Ngāti Tamaoho's concerns regarding the pā site. Aaron explained that blast monitoring on the pā site commenced in September 2023. This monitoring will continue with the new proposed quarry expansion into Sutton Block. Also discussed how blasts are undertaken and managed to ensure that vibration is angled away from sensitive receivers.

<u>Dust, Noise and Transport</u> Presented briefly by Jo and Jess, iwi is welcome to ask any questions about these effects if there are any questions. <u>Post Workshop Discussion</u> Laura and Jenni asked iwi representatives in the room for input on any historical records regarding taonga freshwater species. Edith made note of these to come back to Laura and Jenni
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Workshop was closed with Karakia by Tara at 1:05pm

Ngāti Tamaoho and Stevenson Aggregates Limited Meeting minutes and actions

Meeting date	23 January 2024 – 10am
Attendees	Jo Young (SAL) Beau White (NT)
Location	Teams
Apologies	Tara Edwards-Tusa (SAL) Lucie Rutherford (NT) Edith Tuhimata (NT) Ben Leonard (NT)
Next meeting date	Tuesday 27 February 2024 - Teams

<u>Sutton Block Iwi Engagement Package</u> This was send out to NT and NTA on 4 December. It would be great to get NT feedback before I send to the other 3 iwi.	Please come back to me with any comments.	NT team
<u>Archeological Site visit</u> Beau and Kim Tatton went to the "new northern area of the pit. Nothing of note found. They also had a look at the buffer sought around the existing arch site. This is currently 17m from the proposed pit (and including the buffer within the arch site, is likely to be around 20m). Beau indicated NT would like to see this buffer maximized.	This was discussed and resolved at the late November workshop.	JY
<u>Planting within part of arch site</u> Jo has been working with Envoco and Kim to remove the deep rooting planting from the lower part of the site.	Some personnel changes at Envoco so Jo needs to follow this up.	Jo
<u>CVA</u> Jo hoping to get the CVA updated following the various changes that have been proposed this year.	Beau indicated that he thought Ben was working on this.	Jo / Ben



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<u>MOU</u> MOU discussions between Jo and Arabella.	Pre-Xmas this had been sitting with jo for some time, but last week I got it back to Arabella. We will keep working through it.	Jo
<u>Western Façade</u> Application lodged in early December, and a copy sent to NT.	No update from Council at this stage. Council ecologist visiting the site on 24/1/24.	Jo

Attachment 38

Landowner/Iwi Discussion Minutes

Site: Kaarearea Paa and Te Maketuu – Drury Quarry

Site visit date and time: 20 February 2024 – Between 12.30pm and 1.45pm

Parties present:

Edith Tuhimata (ET) – Ngāti Tamaoho.

Paora Puru (PP) – Ngāti Te Ata (online)

Jo Young (JY) / Kurt Hine (KH) / Tara Edwards-Tusa (Kaiārahi and Env Compliance) / Tua

Gabriel (Env Planner) – Stevenson Aggregates Ltd.

Alex Jorgensen (AJ), Matthew Gouge (MG) – Auckland Council.

Discussions and Actions:

Karakia timata – PP 12.35pm

Kaarearea Paa

- A general update was provided by JY and KH on resource consent discussions. Agreement has been reached between Stevenson and nominating iwi to amend the Sutton Block expansion area to avoid the northeast section (refer Fig 1).
- Stevenson and iwi advised that agreement has also been reached (in the resource consent discussions) to amend the nominated site extent of Kaarearea Paa to follow the stream to the north (through exotic vegetation) and avoid the northernmost stormwater pond. Agreement has also been reached regarding the managing of vibrations from truck movements near the pā (through the use of conveyor – resource consent condition).
- Outstanding matter is the western section in Fig 1 (the 'pink area'). Stevenson concerned about already quarried area being covered by the overlay. Stevenson considering a future access road across western section. It was noted by KH and JY that the vegetation around the stream is protected via covenant. ~~stream is protected with a vegetated esplanade area.~~
- MG explained effect of the scheduling including, it does not affect the existing consents Stevenson are operating under. It will, however, trigger a more stringent activity status for earthwork activities in the future (current = Controlled Activity, scheduled = Discretionary Activity) for any alterations to consent or new earthworks consents.

Outcomes sought by iwi:

- To influence future remediation of the western section including preventing buildings from obscuring the pā. Some activities in such close proximity to paa are culturally problematic (e.g. residential activities). JY advised remediation is well into the future -

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- o Vibration effects - could be addressed through resource consent conditions but not sure on the extent to which that can be done in the Western section given that resource consent is already granted for extraction in that area.
- Actions:
 - o MG to send through shapefiles of both Kaarearea Paa and Te Maketuu to JY
 - o JY to provide extent of current consent for western area so this can be overlaid with proposed western extent of the nominated site.
 - o Stevenson will continue discussions with iwi to resolve the western section. This may include looking at other methods to address future remediation and vibration effects. All parties to consider other mechanisms that may be efficient and effective.
 - o Iwi to confirm to MG/AJ agreed amendments to nominated extent following on from resource consent discussions (northern extent and around stormwater pond).

- **Actions:**
 - MG to send through shapefiles of both Kaarearea Paa and Te Maketuu to JY
 - JY to provide extent of current consent for western area so this can be overlaid with proposed western extent of the nominated site.
 - Stevenson will continue discussions with iwi to resolve the western section. This may include looking at other methods to address future remediation and vibration effects. All parties to consider other mechanisms that may be efficient and effective.
 - Iwi to confirm to MG/AJ agreed amendments to nominated extent following on from resource consent discussions (northern extent and around stormwater pond).

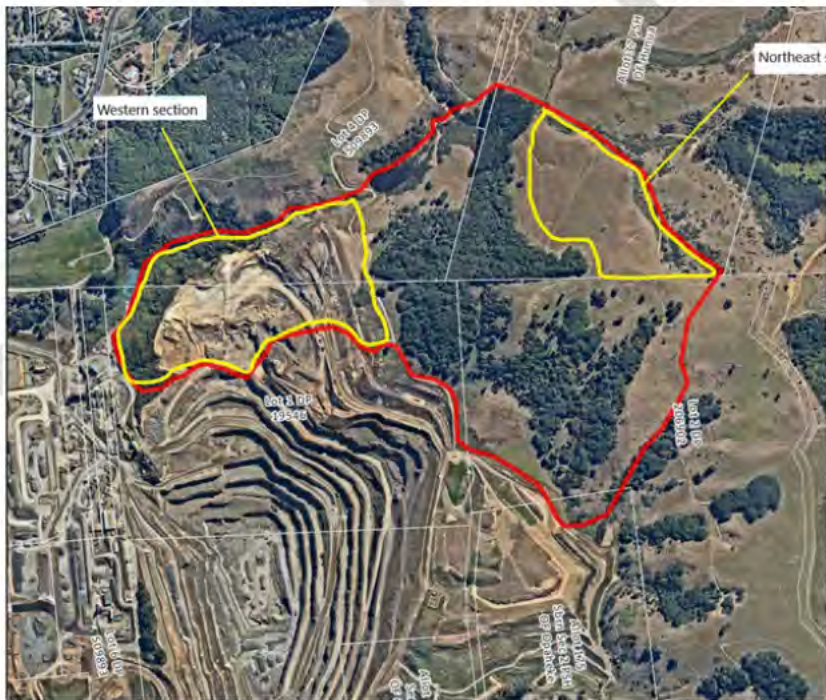


Figure 1 - Kaarearea Paa nominated extent and sections still subject to discussion.

Te Maketuu (10 mins only initial discussion)

Refer fig.2 below

- JY showed an image of a possible solar farm within the northern area of the nominated site extent. Nomination came as a surprise. MG advised that landowner engagement has only just commenced on this site and five others in Tranche 2b. Unlikely to be notified at the same time as Kaarearea Paa.
- Stevenson will discuss with iwi and note that Te Ākitai are also involved in the Te Maketuu nomination.

Action: Iwi and Stevenson to discuss. MG can facilitate hui on behalf of council as needed and will make a note to check in on discussions as he engages with the other landowners in the area.

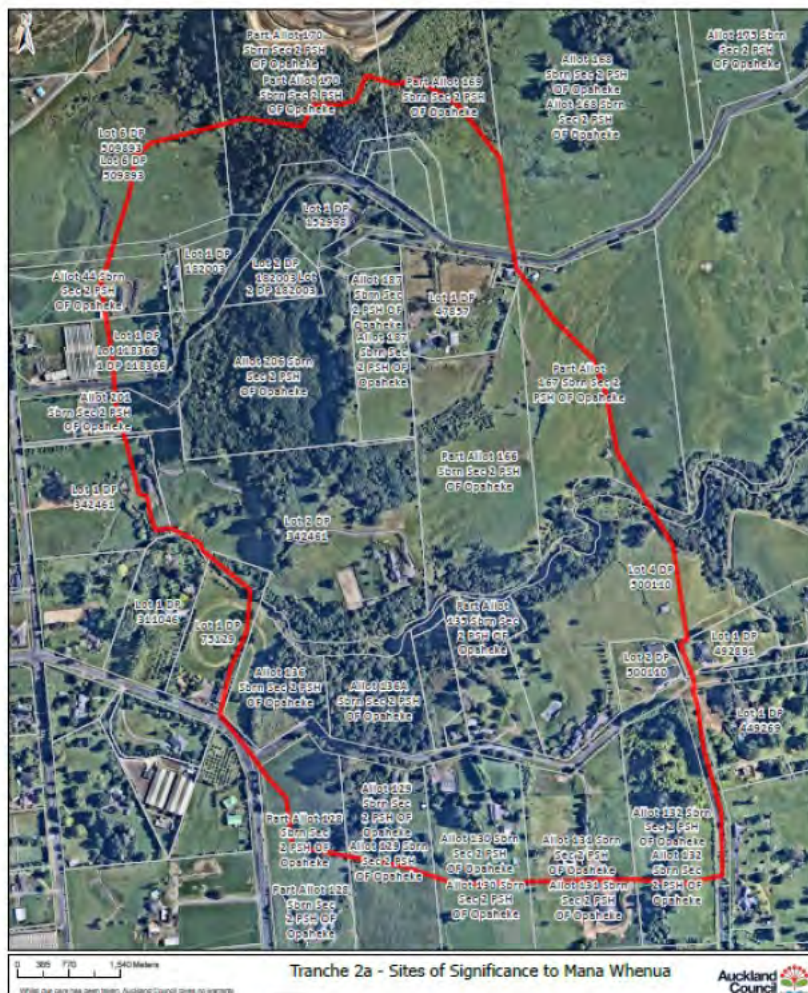


Figure 2: Te Maketuu

Karakia whakamutunga – PP 1.45pm
Meeting ended 1.45pm

Ngāti Tamaoho and Stevenson Aggregates Limited Meeting minutes and actions

Meeting date	27 February 2024 – 10am
Attendees	Jo Young (SAL) Lucie Rutherford (NT)
Location	Teams
Apologies	Edith Tuhimata (NT) Ben Leonard (NT) Beau White (NT)
Next meeting date	Tuesday 26 March 2024 – proposed solar farm site walkover

<u>CVA</u> Jo hoping to get the CVA updated following the various changes that have been proposed this year.	Ben is working on this. Jo to contact Ben.	Jo / Ben
<u>MOU</u> MOU discussions between Jo and Arabella.	Arabella has departed so Jo will discuss with Edith.	Jo
<u>Western Facade</u> Application lodged in early December, and a copy sent to NT.	Council requested a copy of the rehabilitation plan. This was sent to Council this morning. Lucie indicated Ngāti Tamaoho had no objections and would write an email as such, this afternoon. Jo indicated that one iwi did wish to be involved in that process, and SAL will continue to engage.	Jo
<u>Solar Farm</u> Jo showed Lucie a plan of the solar farm. Lucie not supportive of solar farms in general as solar panels and batteries are not recyclable.	Next meeting will be a solar farm onsite walkover. Jo has updated the 26 March invite.	Jo

Lucie felt hemp batteries better than lithium batteries. JO explained that SAL are not proposing battery storage as technology is not advanced enough.		
<u>Te Maketuu protection extent</u> Auckland Council presented this to SAL as early stage engagement.	Jo working on some overlay plans, and then will work with Edith to talk through the Te Maketu site and its history. Some of this overlay overlaps with the solar farm layout, so we will be interested in how we can manage this together.	Jo

Ngāti Tamaoho and Stevenson Aggregates Limited Meeting minutes and actions

Meeting date	23 April 2024 – 10am
Attendees	Jo Young (SAL) Tara Edwards-Tusa (SAL) Edith Tuhimata (NT) Lucie Rutherford (NT)
Location	Teams
Apologies	Ben Leonard (NT) Beau White (NT)
Next meeting date	Tuesday 28 May 2024 – 10am

<u>CVA</u> Jo hoping to get the CVA updated following the various changes that have been proposed this year.	Edith to follow up with Ben.	Edith
<u>MOU</u> MOU discussions between Jo and Arabella.	Signed and Edith to deliver to SAL next Wednesday.	Jo
<u>Western Facade</u> Consent approved. Progressing through: Bat monitoring – no bats discovered Lizard monitoring – still underway Pre-start meeting – 29 April 2024.	Tara to invite Edith and Lucie to identify potential trees and seed collection for NT – Wed 1 May 2024. Tara to invite Edith and Lucie to blessing led by TAW on 9 May.	Tara
<u>Solar Farm</u> No update. Progressing slowly	Jo to send Edith arch report and info sent to Lucie after site visit.	JO
<u>Te Maketuu protection extent</u> Auckland Council presented this to SAL as early stage engagement.		



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Auckland Council will be in touch in late May after Kārearea pā plan change submitted.		
<u>Sutton Block</u> SAL are looking to apply to be part of the fast track process. Edith and Jo discussed the faith we have in the relationship, and that engagement will continue.	Jo to send out an email to NT to formally let them know we are seeking to go on fast track schedule.	Jo

Ngāti Tamaoho and Stevenson Aggregates Limited Meeting minutes and actions

Meeting date	28 May 2024 – 10am
Attendees	Jo Young (SAL) Tara Edwards-Tusa (SAL) Edith Tuhimata (NT) Lucie Rutherford (NT)
Location	Teams and in person (Edith and Tara at Drury together)
Apologies	Ben Leonard (NT) Beau White (NT)
Next meeting date	Tuesday 25 June 2024 – 10am

<u>CVA</u> Jo hoping to get the CVA updated following the various changes that have been proposed this year.	Edith to follow up with Ben.	Edith
<u>MOU</u>	Tara and Jo to put in CS-Vue and to ensure we are meeting requirements.	Tara
<u>Western Façade</u>	Bat monitoring complete – no bats Lizard monitoring complete and lizards relocated. Harvesting completed. Logs put aside for NT and Edit and Tara will look at those after this meeting.	Tara
<u>Solar Farm</u>	No update. Progressing slowly	Jo
<u>Kaarearea paa protection extent - plan change 22</u>	Notified by Auckland Council last week. Submissions close 22 June. SAL will put in a submission.	

<u>Te Maketuu protection extent</u> Auckland Council presented this to SAL as early stage engagement. Auckland Council will be in touch in late May after Kārearea pā plan change submitted.	Jo to provide further info to Tara. Edith outlined that iwi were likely pushed from Kaarearea paa to old Maketuu to new Maketuu (which are both in the proposed Maaketu overlay).	Jo
<u>Sutton Block</u>	Jo to send out an email to NT to formally let them know we are seeking to go on fast track schedule. Jo willalso send through full draft application.	Jo
<u>Cultural Induction</u>	Tara to look into next dates for the cultural induction. Tara has suggested August and will come back with an exact date.	Tara
<u>Hautapu Ceremony – Ngaati Tamaoho</u> Ceremony to remember ancestors and consider the year ahead.	28 June - Tara organizing van for SAL staff.	Tara

Ngāti Tamaoho and Stevenson Aggregates Limited Meeting minutes and actions

Meeting date	Tuesday 25 June 2024 – 10am
Attendees	Jo Young (SAL) Tara Edwards-Tusa (SAL) Edith Tuhimata (NT) Beau White (NT)
Location	Teams
Apologies	Ben Leonard (NT) Lucie Rutherford (NT)
Next meeting date	Tuesday 23 July 2024 – 10am

<u>CVA</u> Jo hoping to get the CVA updated following the various changes that have been proposed this year.	Edith to follow up with Ben.	Edith
<u>MOU</u>	Tara and Jo to put in CS-Vue and to ensure we are meeting requirements.	Tara
<u>Western Façade</u>	Logs still at Drury. Ted will work logistics to get them to NT site.	Ted and Tara
<u>Asphalt Plant blessing</u>	Ted, Waiata and Edith were in attendance. Ted led proceedings.	
<u>Solar Farm</u>	No update. Progressing slowly	Jo
<u>Kaarearea paa protection extent - plan change 22</u>	SAL put in a submission in support.	
<u>Te Maketuu protection extent</u> Auckland Council presented this to SAL as early stage engagement. Auckland Council will be in touch in late May after Kārearea pā plan change submitted.	Edith outlined that iwi were likely pushed from Kaarearea paa to old Maketuu to new Maketuu (which are both in the proposed Maketuu overlay).	Jo

<u>Sutton Block</u>	SAL seeking to go on fast track schedule. Full application complete and sent to NT.	Jo
<u>Cultural Induction</u>	Tara suggested Thursday 22 August – 11am and 4pm toolbox meeting. Tara to send an invite to Edith.	Tara
<u>Hautapu Ceremony – Ngaati Tamaoho</u> Ceremony to remember ancestors and consider the year ahead.	Opening ceremony for Matariki celebrations on 15 June were attended by SAL. Ngā mihi to NT for the beautiful ceremony. Internally SAL have sent around Matariki communications around celebrations. Other celebrations happening: • Matariki Festival at the Botanic gardens on Friday 28 June (Matariki) from 12-6pm. • Night markets in Pukekohe (4/5 July) • Hautapu in Clarks Beach (6 July)	Tara

Ngāti Tamaoho and Stevenson Aggregates Limited Meeting minutes and actions

Meeting date	Tuesday 23 July 2024 – 10am
Attendees	Jo Young (SAL) Lucie Rutherford (NT) Tara Edwards-Tusa (SAL)
Location	Teams
Apologies	Ben Leonard (NT) Edith Tuhimata (NT)
Next meeting date	Wednesday 28 August 2024 – 10am

<u>CVA</u> Jo hoping to get the CVA updated following the various changes that have been proposed this year.	Lucie to follow up.	Lucie
<u>Western Facade</u>	Logs still at Drury. Ted will work logistics to get them to NT site.	Ted and Tara
<u>Solar Farm</u>	No update. Progressing slowly. Lucie interested in how long panels last for, and disposal methods. Jo to provide this information.	Jo
<u>Kaarearea paa protection extent - plan change 22</u>	SAL put in a submission in support. Going through the plan change process now.	
<u>Te Maketuu protection extent</u> Auckland Council presented this to SAL as early stage engagement. Auckland Council will be in touch in late May after Kaarearea pa plan change submitted.	Edith outlined that iwi were likely pushed from Kaarearea paa to old Maketuu to new Maketuu (which are both in the proposed Maketuu overlay).	Jo
<u>Sutton Block</u>	SAL seeking to go on fast track schedule.	Jo

	Full application complete and sent to NT.	
<u>Cultural Induction</u>	Locked in for the quarry on Thursday 22 August – 11am and 4pm for the toolbox meeting. Tara to check in with Edith to confirm date. Tara to send invite.	Tara
<u>Hautapu Ceremony – Ngaati Tamaoho</u> Ceremony to remember ancestors and consider the year ahead.	SAL staff were able to attend a few events. A beautiful event, with Matua Ted and other iwi members. Angela Fulljames also in attendance	Tara
<u>Volunteering at the NT nursery</u> FH and SAL are proposing to provide assistance.	Tara and Edith to discuss this further.	Tara / Edith

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Ngāti Tamaoho and Stevenson Aggregates Limited Meeting minutes and actions

Meeting date	Tuesday 28 August 2024 – 10am
Attendees	Jo Young (SAL) Lucie Rutherford (NT) Tara Edwards-Tusa (SAL) Edith Tuhimata (NT)
Location	Teams
Apologies	Ben Leonard (NT)
Next meeting date	Tuesday 24 September 2024 – 10am

<u>Cultural induction at the quarry toolbox</u>	Edith presented and had great engagement and kōrero with the SAL team The team found it relatable (e.g. comparing waterways to highways) This was able to provide cultural safety of the site 10 September 4pm is the date for the final cultural induction for night shift staff.	Tara / Edith
<u>Slip below Kārearea pā</u>	Bryn is coordinating subbies to work on this. Would be good to undertake a cultural induction with them all before work commences. Tara and Edith to liaise.	Tara / Edith
<u>CVA</u>	Ben to update the CVA following email and table from Jo. Ben on leave in September for a month so hopefully he can complete before he goes.	Jo
<u>Western Façade</u>	Logs still at Drury. Ted will work logistics to get them to NT nursery. Logs can be stropped on to a flat deck. But at the nursery we need	Tara / Edith

	some way of getting them off the truck. Edith will discuss with another trucking company that she has worked with previously.	
<u>Solar Farm</u>	Application likely for iwi review in a week or so. Jo will send it out and happy to receive comments, but will not be seeking a CVA. Make sure when sending to Lucie to note: • how long panels last for, and disposal methods. • show tree removal and mitigation proposed.	Jo
<u>Maori Cultural Heritage Database.</u> <u>(Kaarearea paa protection extent plan change 22) and Te Maketuu protection extent</u>	Edith has just done management statements and will provide a written update soon. Winstones involved in future management (weed and pest control, planting and management plans for the Te Maketuu landscape including Opaheke paa. Still waiting on PC 22 hearing.	
<u>Sutton Block</u>	SAL seeking to go on fast track schedule. Still waiting to hear further on this. Full application complete and sent to NT.	Jo
<u>Volunteering at the NT nursery</u> FH and SAL are proposing to provide assistance.	Just got a drop of funding from MFE so NT will be all go. Edith will come back to SAL with a game plan once nursery manager on board. NT might need some more metal. SAL potential to do volunteering.	Tara / Edith

Ngāti Tamaoho and Stevenson Aggregates Limited Meeting minutes and actions

Meeting date	Tuesday 25 September 2024 – 10am
Attendees	Jo Young (SAL) Lucie Rutherford (NT) Edith Tuhimata (NT)
Location	Teams
Apologies	Ben Leonard (NT) Tara Edwards-Tusa (SAL)
Next meeting date	Tuesday 22 October 2024 – 10am

<u>Slip below Kārearea pā</u>	Bryn is coordinating subsidies to work on this. Would be good to undertake a cultural induction with them all before work commences. Tara and Edith to liaise. Edith suggested a cultural monitor on site during works, or at least a karakia before work starts.	Tara / Edith
<u>CVA</u>	Updates made, and Ben sent it through.	Jo
<u>Western Façade</u>	Logs still at Drury. Ted will work logistics to get them to NT nursery. Logs can be strapped on to a flat deck. But at the nursery we need some way of getting them off the truck. Edith will discuss with another trucking company that she has worked with previously.	Tara / Edith
<u>Solar Farm</u>	Application likely for iwi review in a week or so. Jo will send it out and happy to receive comments, but will not be	Jo

	seeking a CVA. Make sure when sending to Lucie to note: • how long panels last for, and disposal methods. • show tree removal and mitigation proposed.	
<u>Maori Cultural Heritage Database.</u> <u>(Kaarearea paa protection extent plan change 22) and Te Maketuu protection extent</u>	Edith has just done management statements (with Auckland Council) and will provide a written update soon. Winstones involved in future management (weed and pest control, planting and management plans for the Te Maketuu landscape including Opaheke paa. Still waiting on PC 22 hearing.	
<u>Sutton Block</u>	SAL seeking to go on fast track schedule. Still waiting to hear further on this. SAL have decided to expand the pit and have created a stage 5. Further information will come through within the next week or so, and then we can chat again.	Jo
<u>Volunteering at the NT nursery</u> FH and SAL are proposing to provide assistance.	Just got a drop of funding from MFE so NT will be all go. Edith will come back to SAL with a game plan as nursery manager now on board. NT might need some more metal. SAL potential to do volunteering. Edith to work out a work plan.	Tara / Edith

Sutton Block – Stage 5

MEMO

FROM: Jo Young, Consents Manager

DATE: 29 October 2024

Purpose of this memorandum

The purpose of this memorandum is to provide a summary of the key changes between Stage 4 and Stage 5 of the Sutton Block project. This should be read with the following two maps: “Stage 4 (old pit extent) and stage 5 (revised pit extent)” and “stage 4 – stage 5 comparison”.

Background context

The Sutton Block pit was originally proposed to be developed in four stages over a 50-year period, with ‘Stage 4’ being the final stage (full extent). Stevenson now has a fifth stage, expanding the pit footprint over the same 50- year period.

Key changes between Stage 4 and Stage 5:

The key changes between Stage 4 and Stage 5 are summarised below:

Pit footprint:

- Stages 1-4 have not changed.
- Stage 5, a new stage, will result in a 20-ha expansion of the Sutton Block pit extent. Stage 4 footprint is 88ha and Stage 5 footprint is 108 ha.
- Stage 5 will involve the removal of the northern bund.
- No changes to the pit proximity to Kaarearea paa. A 13ha buffer from the quarry extent to Kaarearea paa remains unchanged.
- No changes to the pit depth (-60 RL) from Stage 4 and 5.

Vegetation removal:

- In total, the native vegetation loss is approximately 16.73 ha.
- Stage 4 will result in a loss of approximately 10.12 ha of native vegetation.
- Stage 5 will result in an additional loss of approximately 6.61 ha of vegetation (3ha of broadleaf podocarp forest and 3.61 ha of kanuka forest).

Vegetation mitigation:

- To mitigate and offset the removal of 16.73 ha of vegetation, approximately 140 ha of restoration will be undertaken, consisting of 70 ha of new planting and 70 ha of enhancement planting, including pest control.
- Stage 5 results in an increase of 29.52 ha of planting.
- Currently exploring the feasibility of undertaking vegetation planting on Ngā Motu o Hingaia. This is also a change to the Project as a result of Stage 5.

Stream loss:

- The total proposed stream loss is approximately 3,374 m.
- Stage 4 will result in a loss of approximately 2,643 m of stream length.
- Stage 5 will result in an additional loss of approximately 731 m of stream length. Under Stage 4, the stream was initially planned to be partially removed and diverted around its southern side of the pit. However, the revised plan for Stage 5 will lead to the complete loss of this stream.

Stream mitigation:

- To mitigate and offset the total stream loss, approximately 938m of existing stream riparian planting within the Drury Quarry land holdings will be undertaken. This is proposed as part of the Stage 5 expansion.
- An additional 2,643 m of stream enhancement at the Tuakau Site will be undertaken. This was proposed as part of Stage 4 and has not been changed.

Wetland loss:

- Stage 4 will result in a loss of approximately 1.87 ha.
- No additional wetland loss is anticipated as part of Stage 5. Note, that this is subject to the findings of the Ecologist's final site inspections currently underway.

Wetland mitigation:

- To mitigate and offset the total wetland loss, approximately 4.04 ha of wetland restoration, including the creation of wetland habitat is proposed within the Drury Quarry land holdings and at the Tuakau Site. This was proposed as part of Stage 4 and has not been changed.

Archaeology:

- No recorded archaeological sites were located within the Stage 4 Sutton Block pit footprint.
- Stage 5 will see the removal of one recorded NZAA site reference R12/724 (plants, fence, stonework, earthworks – Farmstead). This site relates to post-1900 activities and potentially might be the site of a farmstead, dating from the 1860s. A revised archaeological assessment will be undertaken to consider the effects.

Groundwater:

- Stage 4 proposed lowest groundwater dewatering level for the Sutton Block pit was -60 RL and a maximum groundwater diversion rate of 19,183 m³/d. There is no change to the pit depth or, at this stage the groundwater diversion rate as a result of Stage 5. A revised groundwater assessment is currently being undertaken.
- Stage 4 predicted worst-case scenario zone of influence extends from 4.4 km (Stage 2) to 7.5 km (Stage 4).
- Stage 5 will result in a 50m increase in the worst-case scenario zone of influence. This is a very small increase that is not predicted to result in any additional drawdown or stream depletion effects.



STEVENSON

Boffa Miskell



This plan has been prepared by Boffa Miskell Limited on the specific instructions of our Client. It is solely for our Client's use in accordance with the agreed scope of work. Any use or reliance by a third party is at that party's own risk. Where information has been supplied by the Client or obtained from other external sources, it has been assumed that it is accurate. No liability or responsibility is accepted by Boffa Miskell Limited for any errors or omissions to the extent that they arise from inaccurate information provided by the Client or any external source.



0 100 200 m

1:6,000 @ A3

Data Sources: Stevenson Aggregates (Aerials), LINZ (Aerials), BML

Projection: NZGD 2000 New Zealand Transverse Mercator

LEGEND

- SAL Land Holdings
- Stage 5 life of quarry footprint approx. 108 ha
- Stage 4 footprint approx. 88 ha
- Land Parcels

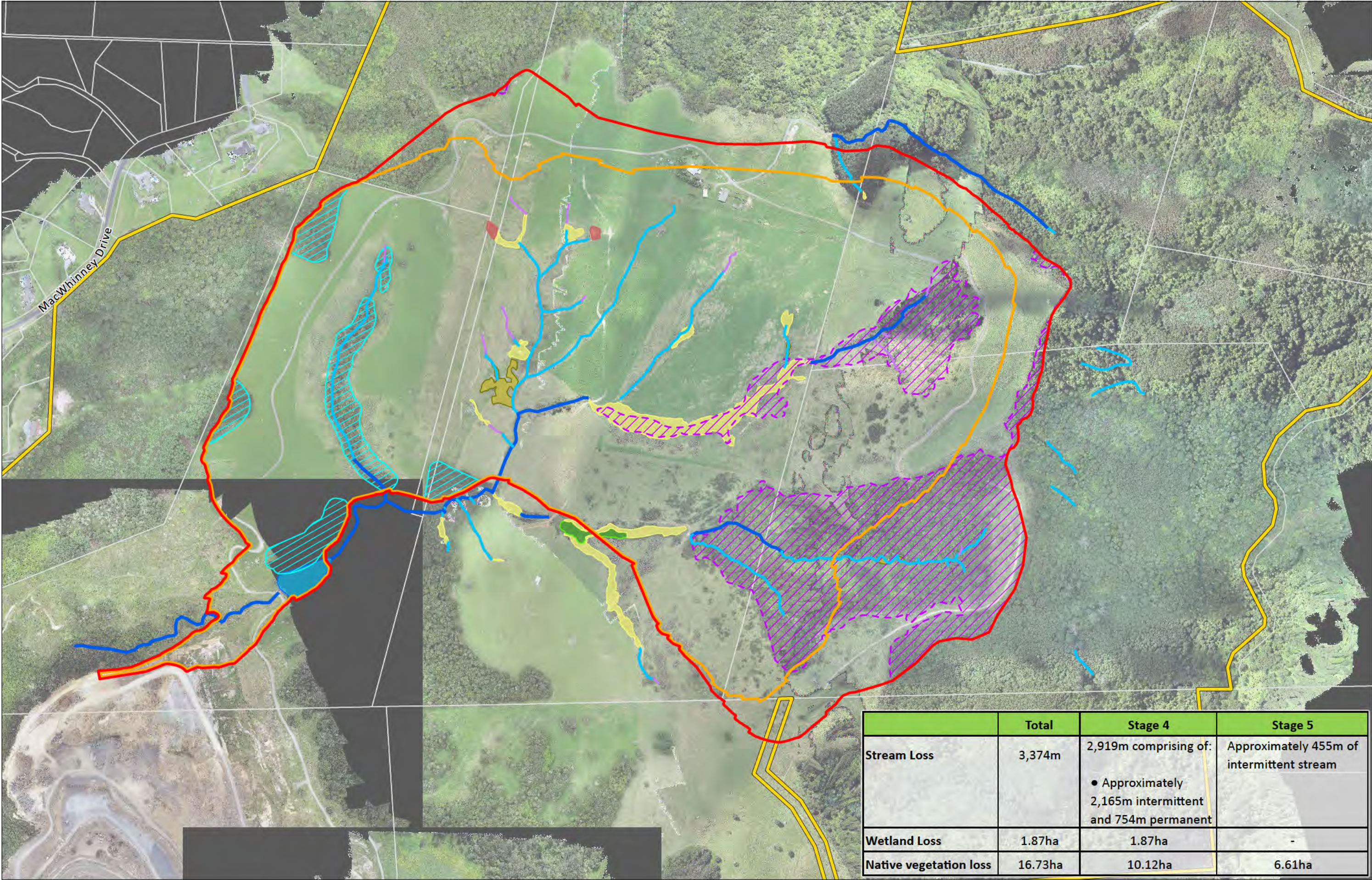
DRURY QUARRY

Stage 4 (old pit extent) and Stage 5 (revised pit extent)

Date: 15 October 2024 | Revision: 0

Plan prepared by Boffa Miskell Limited

Project Manager: Sandeep.Gangar@boffamiskell.co.nz | Drawn: SGA | Checked: JUR



	Total	Stage 4	Stage 5
Stream Loss	3,374m	2,919m comprising of: Approximately 2,165m intermittent and 754m permanent	Approximately 455m of intermittent stream
Wetland Loss	1.87ha	1.87ha	-
Native vegetation loss	16.73ha	10.12ha	6.61ha

THREE YEAR PLAN:

Create the road infrastructure establish access, overburden removal, creation of the northern bund and begin ecological mitigation.



FIFTEEN YEAR PLAN:

The second stage of work is the 15-year plan which involves the commencement of quarrying within the interim pit boundary. This could move west or east depending on the aggregate needs of Auckland.



THIRTY YEAR PLAN

30

THIRTY YEAR PLAN:

Stage 3, is a further expansion of the interim pit boundary. Similar to Stage 2, the direction of the expansion will depend on market demand.



40 FORTY YEAR PLAN

FORTY YEAR PLAN:

Stage 4, is a further expansion of the interim pit boundary. Similar to Stage 3, the direction of the expansion will depend on market demand.



LIFE OF QUARRY PLAN

LIFE OF QUARRY PLAN:

Life of quarry plan: Based on current demand estimates, this pit will provide 50 years of aggregate supply to Auckland. This drawing reflects the full extent of the quarry pit over a 50-year period.



Ngāti Tamaoho and Stevenson Aggregates Limited Meeting minutes and actions

Meeting date	Tuesday 26 November 2024 – 10am
Attendees	Jo Young (SAL) Lucie Rutherford (NT) Edith Tuhimata (NT) Tara Edwards-Tusa (SAL)
Location	Teams
Apologies	Ben Leonard (NT)
Next meeting date	TBC

<u>Slip below Kaarearea paa</u>	Cultural Induction with Edith and the staff on site. Work has started (with karakia). Tara checking in with the team regularly.	Tara / Edith
<u>Western Facade</u>	Logs still at Drury. Ted will work logistics to get them to NT nursery Tara to go back to FH team looking for truck with HIAB arm.	Tara
<u>Pou</u>	Tara beginning to investigate a pou for the entrance to the offices. Edith to suggested to look at a waharoa at Wesley College (stone) or Pukekohe Train Station which NTA/NA/TAW created.	
<u>Solar Farm</u>	Application sent to all iwi 2 weeks ago, and will be lodged tomorrow. Jo happy to receive comments, but will not be seeking a CVA. Lucie not happy with the loss of the approx. 15 trees	Jo
<u>Maori Cultural Heritage Database.</u>	Edith has just done management statements (with Auckland Council)	

<u>(Kaarearea paa protection extent plan change 22) and Te Maketuu protection extent</u>	and will provide a written update soon. Winstones involved in future management (weed and pest control, planting and management plans for the Te Maketuu landscape including Opaheke paa. Still waiting on PC 22 hearing.	
<u>Sutton Block</u>	Project is on the fast track schedule. SAL have decided to expand the pit and have created a stage 5. Further information including a memo and maps has been sent to NT. Edith and Lucie disappointed by this development and will need to speak to their team at this juncture as to how to proceed.	Jo
<u>Volunteering at the NT nursery</u> FH and SAL are proposing to provide assistance.	Just got a drop of funding from MFE so NT will be all go. Edith will come back to SAL with a game plan as nursery manager now on board. NT might need some more metal. SAL potential to do volunteering. Edith to work out a work plan. Edith will send through an email.	Tara / Edith

Ngāti Tamaoho and Stevenson Aggregates Limited Meeting minutes and actions

Meeting date	Tuesday 28 January 2025 – 10am
Attendees	Jo Young (SAL) Edith Tuhimata (NT) Tara Edwards-Tusa (SAL)
Location	Teams
Apologies	Ben Leonard (NT) Lucie Rutherford (NT)
Next meeting date	TBC

<u>Nursery set up</u> Busy times for NT getting the nursery up and running. Everything is coming together though. See collection happened over Christmas.		
<u>Slip below Kaarearea paa</u>	Mahi completed.	Tara / Edith
<u>Western Facade</u>	Tara found Toomey's can take rakau to NT nursery.	Tara
<u>Pou</u>	Edith will ask Matua Ted for a portfolio. Have a look at Pukekohe train station.	Edith
<u>Solar Farm</u>	Application currently being processed.	Jo
<u>Maori Cultural Heritage Database.</u> <u>(Kaarearea paa protection extent plan change 22) and Te Maketuu protection extent</u>	Edith has just done management statements (with Auckland Council) and will provide a written update soon. Meeting coming up.	

	Winstones involved in future management (weed and pest control, planting and management plans for the Te Maketuu landscape including Opaheke paa. Still waiting on PC 22 hearing.	
<u>Sutton Block</u>	Project is on the fast track schedule. SAL have decided to expand the pit and have created a stage 5. Further information including a memo and maps has been sent to NT. Edith and Lucie disappointed by this development and will need to speak to their team at this juncture as to how to proceed. Edith has a meeting today with the winder team. Expect AEE on 17 Feb and our next hui is 18 Feb. Will NT CVA be updated? Or do an addendum?	Jo
<u>Volunteering at the NT nursery</u> FH and SAL are proposing to provide assistance.	A few areas of restoration – keen to rip out weeds and clean out the stream of silt. Tara to have a look at those areas tomorrow.	Tara / Edith
<u>Stockpiling consent</u>	Let NT know we will be lodging this soon. Edith did not have a particular interest in it. Will send out a copy of application as SAL lodge it.	
<u>Cultural Heritage Fund</u>	Edith to send through details for Jo and Tara to discuss with management.	Jo/ Tara

Ngāti Tamaoho and Stevenson Aggregates Limited
Meeting minutes and actions

Meeting date	Tuesday 18 February 2025 – 10am
Attendees	Jo Young (SAL) Edith Tuhimata (NT) Ben Leonard Tara Edwards-Tusa (SAL) Kurt Hine (SAL)
Location	Teams
Apologies	Lucie Rutherford (NT)
Next meeting date	TBC

<u>Background and update to Sutton Block project</u> Ben hasn't been involved in this project since the CVA was submitted in July 2024, so Jo gave an update on what has been happening since.		Jo
<u>Stage 5</u> Jess talked through the differences between stage 4 and the current stage 5, including a presentation of maps.		
<u>MOU</u> Ben asked if this needed updating in light of the current changes.	Potential to update to include opportunities that SAL can provide to NT – such as rangatahi upskilling on planting and weed and pest control.	Jo
<u>Weed and pest control</u> - Edith asked if some NT rangatahi can join our planting and weed and pest control contractors. - Pest control and planting	Potential to add to MOU re rangatahi options.	Tara

- Edith is a Te Ara Hikoi trustee (Includes members from NT, Ngaati Paoa, NTKT). - Rangatahi need upskilling and they are currently undertaking work in the Hunuas and Mangatangi	Tara to investigate further and come back to Edith.	
<u>Next steps</u> - SAL send full updated application to Ben and Edith. - NT Environmental Unit will meet to discuss application prior to any CVA update.		Ben

Ngaati Te Ata Waiohewa and Stevenson Aggregates Limited Meeting minutes and actions

Meeting date	15 December 2023, 11am
Attendees	Jo Young (SAL) Karl Flavell (NTA)
Location	Teams
Apologies	Kurt Hine (SAL)
Next meeting date	13 February 2024, 1.30pm

Discussion	Questions / Comments / Actions	Responsibility
SAL + iwi hui – Karl was not able to attend due to another commitment, so Jo and Karl ran through the minutes and questions raised. Key feedback from Karl: 1. How has the freshwater ecologist addressed NTA concerns in the CVA regarding streams and wetlands? How do these matters align? 2. How has the groundwater expert addressed NTA concerns in the CVA regarding groundwater? How do these matters align?	Jo to ensure both specialist have read the CVA and incorporated their responses into their reports	Jo
Karl has sent the CVA through to Jo.	Jo has a couple of comments: 1. Final plans to be incorporated. 2. Appendix B news stories need some context. Jo and Karl to work on further; 3. A bit more context about the two year relationship and changes to pit plans might be helpful. Jo and Karl to work on further.	Jo & Karl to liaise. Will pick this up in January 2024, ahead of a late January lodgement
MOU is sitting with the NTA Board.	Karl indicated some things did not sit comfortably. Jo and Karl to discuss further.	Karl
Western Façade We had a chat about the bat surveys undertaken across the site. Karl to review the reports further. It was agreed a site visit in 2024 to the mitigation area would be helpful.	Jo to arrange site visit in 2024.	Jo



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Iwi engagement overview document	Karl has reviewed and his edits were very helpful. NT have not responded. Jo to follow up in mid-January.	Jo
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Ngaati Te Ata Waiohū and Stevenson Aggregates Limited Meeting minutes and actions

Meeting date	13 February 2024, 4pm
Attendees	Jo Young (SAL) Karl Flavell (NTA) Kurt Hine (SAL)
Location	Teams
Apologies	
Next meeting date	12 March 2024, 1.30pm

SAL + iwi hui – Karl was not able to attend due to another commitment, so Jo and Karl ran through the minutes and questions raised. Key feedback from Karl: 1. How has the freshwater ecologist addressed NTA concerns in the CVA regarding streams and wetlands? How do these matters align? 2. How has the groundwater expert addressed NTA concerns in the CVA regarding groundwater? How do these matters align?	Jo to ensure both specialist have read the CVA and incorporated their responses into their reports	Jo
Karl has sent the CVA through to Jo.	Jo has a couple of comments: 1. Final plans to be incorporated. 2. Appendix B news stories need some context. Jo and Karl to work on further; 3. A bit more context about the two year relationship and changes to pit plans might be helpful. Jo and Karl to work on further.	Jo & Karl to liaise. Will pick this up in January 2024, ahead of a late January lodgement
MOU is sitting with the NTA Board with a sticking point	Jo to make sure further edits, and send to Karl for his review and Board review.	Jo
Western Façade	Jo to send through enhancement plan once complete.	Jo
Iwi engagement overview document	Jo to send out to other 3 iwi	Jo
Kārearea pā plan change	Meeting with Paora and NT team	Jo



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Solar Farm Talked through the proposal.	Karl will wait for more information in a month or so.	Jo

Ngaati Te Ata Waiohewa and Stevenson Aggregates Limited Meeting minutes and actions

Meeting date	12 March 2024, 1.30pm
Attendees	Jo Young (SAL) Karl Flavell (NTA)
Location	Teams
Apologies	Kurt Hine (SAL)
Next meeting date	9 April 2024, 10am – visit to solar farm site

SAL + iwi hui – Karl was not able to attend due to another commitment, so Jo and Karl ran through the minutes and questions raised. Key feedback from Karl: 1. How has the freshwater ecologist addressed NTA concerns in the CVA regarding streams and wetlands? How do these matters align? 2. How has the groundwater expert addressed NTA concerns in the CVA regarding groundwater? How do these matters align?	Jo to ensure both specialist have read the CVA and incorporated into AEE. Will update Karl once complete.	Jo
Karl has sent the CVA through to Jo.	Jo has a couple of comments: 1. Final plans to be incorporated. 2. Appendix B news stories need some context. Jo and Karl to work on further; 3. A bit more context about the two year relationship and changes to pit plans might be helpful. Jo and Karl to work on further. 4.	Jo & Karl to liaise. Will pick this up in January 2024, ahead of a late January lodgement COMPLETED
MOU is sitting with the NTA Board with a sticking point	Jo to make sure further edits, and send to Karl for his review and Board review.	Jo COMPLETED
Western Façade	Jo sent through enhancement plan once complete. Karl reviewed and confirmed acceptance.	Jo COMPLETED

Iwi engagement overview document (Tangata Whenua Engagement Overview, prepared by Jo Young, SAL).	Jo to send out to other 3 iwi. Karl made edits and those edits were adopted. NTA now satisfied.	Jo COMPLETED
Māori Cultural Heritage Programme (Kārearea pā) – Matt Gouge, AC.	SAL met with Paora Puru (NTA) and Edith Tuhimata (NT), Matt Gouge (AC), Alex Jorgenson (AC), Jo Young, Kurt Hine, Tara Edwards-Tusa (SAL). NTA agreed position sent via email from Paora Puru: <i>Whether you still feel the “western area” of your proposed overlay (green) is still required, given that quarrying is approved in this area;</i> Green layer overlay no longer required <i>If you feel it is still required, Stevenson are not keen on a blanket “site of cultural significance” overlay, as this may hinder the current quarrying. How can we reach agreement on a way forward that ensures your concerns are addresses? Is it changes to the overlay rules? Or outside the plan change process?</i> I'm satisfied with the planting mitigation and setbacks now in place to move forward on this.	Jo COMPLETED
Solar Farm Talked through the proposal.	Karl and Jo to visit site on 9 April, 10am – meeting at Drury offices. Karl to investigate the origin of the Te Maketuu overlay red line.	Jo and Karl

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Ngaati Te Ata Waiohua and Stevenson Aggregates Limited Meeting minutes and actions

Meeting date	22 May 2024, 1.30pm
Attendees	Jo Young (SAL) Karl Flavell (NTA)
Location	Teams
Apologies	Kurt Hine (SAL)
Next meeting date	24 July 2024, 1.30pm

Discussion	Questions / Comments / Actions	Responsibility
Māori Cultural Heritage Programme (Te Maketu overlay) – Matt Gouge, AC	Karl investigated origin of the Auckland Council line. Spoke with Paora, Edith and Lucie and the line is indicative of a general area. Jo indicated that discussions would be ongoing once Auckland Council commences their engagement.	
Solar Farm	Draft application another month or two away. Jo to keep Karl updated.	Jo
Western Façade	Karl reviewed decision and was satisfied with outcome. Bat monitoring completed and no bats detected. Lizard monitoring completed and 8 copper skinks relocated to the stream above the northern expansion area.	
Sutton Block	Jo updated Karl that draft AEE is complete. Jo to send out to all iwi shortly. Seeking to be a fast track application but likely we will need to wait until Sept/Oct for more information on this.	Jo
Awhitu Landcare	Karl and Jo unsure where this has got to. Jo to follow with Anne-Marie.	
Bi-monthly meeting	To consider at next meeting.	

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Ngaati Te Ata Waiohewa and Stevenson Aggregates Limited Meeting minutes and actions

Meeting date	15 October 2024, 1.00pm
Attendees	Jo Young (SAL) Karl Flavell (NTA) Kurt Hine (SAL) Tara Edwards-Tusa (SAL)
Location	Teams
Apologies	
Next meeting date	19 November 2024, 1.00pm

Discussion	Questions / Comments / Actions	Responsibility
Maori Cultural Heritage Programme (Te Maketu overlay) – Matt Gouge, AC	Kaarearea paa protection has immediate legal effect. Plan change seems to be stalled as Council negotiate on another site.	
Solar Farm	Draft application in about 2 weeks - will be sent to all iwi.	Jo
Western Façade	Rakau still waiting to be transported offsite. Tara and Karl to communicate.	Karl
Sutton Block	Jo to provide Karl a map showing stage 4 and 5 and a short memo which outlines the changes.	Jo
Awhitu Landcare	Karl and Jo unsure where this has got to. Jo to follow with Anne-Marie. And Karl to check with Sarah.	Jo
Bi-monthly meeting	Shelve that for now. Still to monthly meeting in 2024 and then re-assess.	
Te Maaketuu paa	Karl to send through the recent report from DOC outlining the current state of the various sites.	Karl

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Ngaati Te Ata Waiohewa and Stevenson Aggregates Limited Meeting minutes and actions

Meeting date	1 November 2024, 11.30pm
Attendees	Jo Young (SAL) Karl Flavell (NTA)
Location	Teams
Apologies	
Next meeting date	19 November 2024, 1.00pm

Māori Cultural Heritage Programme (Te Maketu overlay) – Matt Gouge, AC	Kaarearea paa protection has immediate legal effect. Plan change seems to be stalled as Council negotiate on another site.	
Solar Farm	Will be sent to all iwi next week. Karl will send through an email once received, outlining the level of involvement he would like for NTA.	Jo
Western Façade	Rakau still waiting to be transported offsite. Tara and Karl communicated. No space at NTA sites, so will stay at SAL site for a few years.	Karl
Sutton Block	Jo has provided Karl a map showing stage 4 and 5 and a short memo which outlines the changes. Karl to update CVA (rather than an addendum). Jo to assist with maps. Karl to include memo info in the CVA to make it clear this has been addressed.	Jo



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Awhitu Landcare	Karl and Jo unsure where this has got to. Jo to follow with Anne-Marie.	Jo
Te Maaketuu paa	Karl to send through the recent archaeological reports.	Karl

Ngaati Te Ata Waiohewa and Stevenson Aggregates Limited Meeting minutes and actions

Meeting date	19 November 2024, 11.30pm
Attendees	Jo Young (SAL) Karl Flavell (NTA) Kurt Hine (SAL) Tara Edwards-Tusa (SAL)
Location	Teams
Apologies	
Next meeting date	17 December 2024, 1.00pm

Māori Cultural Heritage Programme (Te Maketu overlay) – Matt Gouge, AC	Kaarearea paa protection has immediate legal effect. Plan change seems to be stalled as Council negotiate on another site.	
Solar Farm	Sent to all iwi a few weeks ago. Karl sent through an email outlining the level of involvement he would like for NTA. Jo talked through it at the hui.	Jo
Carving at Drury Site	Tara asked if NTA carvers had any capacity to carve something for the quarry. Possibly for the Davies Road entrance or up near Kaarearea paa.	Tara and Karl
Western Façade	Rakau still waiting to be transported offsite. Tara and Karl communicated. No space at NTA sites, so will stay at SAL site for a few years.	Karl
Sutton Block	Karl to send Jo the Word document of the CVA.	Jo

	Jo to do track changes and at next hui we can go through those together.	
Awhitu Landcare	Karl and Jo unsure where this has got to. Tara checked with Gay (SAL sponsorship) and believe this has gone through.	Jo
Te Maaketuu paa	Karl sent through the recent archaeological reports. From Mike Wharepouri from DOC. Jo to read this.	Karl
Slipping below Kaarearea paa in the pit	Work about to start later in the week. Edith (NT) did a cultural induction with all contractors on site to talk about Kaarearea paa.	

Ngaati Te Ata Waiohewa and Stevenson Aggregates Limited Meeting minutes and actions

Meeting date	20 January 2025, 1pm
Attendees	Jo Young (SAL) Karl Flavell (NTA) Kurt Hine (SAL) Tara Edwards-Tusa (SAL)
Location	Teams
Apologies	
Next meeting date	

Māori Cultural Heritage Programme (Te Maketu overlay) – Matt Gouge, AC	Kaarearea paa protection has immediate legal effect. Plan change seems to be stalled as Council negotiate on another site.	
Solar Farm	Sent to all iwi a few weeks ago. Karl sent through an email outlining the level of involvement he would like for NTA. Jo talked through it at the hui.	Jo
Carving at Drury Site	Tara asked if NTA carvers had any capacity to carve something for the quarry. Possibly for the Davies Road entrance or up near Kaarearea paa.	Tara and Karl
Western Façade	Rakau still waiting to be transported offsite. Tara and Karl communicated. No space at NTA sites, so will say at SAL site for a few years.	Karl
Sutton Block	Karl to send Jo the Word document of the CVA.	Jo

	Jo to do track changes and at next hui we can go through those together.	
Awhitu Landcare	Karl and Jo unsure where this has got to. Tara checked with Gay (SAL sponsorship) and believe this has gone through.	Jo
Te Maaketuu paa	Karl sent through the recent archaeological reports. From Mike Wharepouri from DOC. Jo to read this.	Karl
Slipping below Kaarearea paa in the pit	Work about to start later in the week. Edith (NT) did a cultural induction with all contractors on site to talk about Kaarearea paa.	

Ngaati Te Ata Waiohua and Stevenson Aggregates Limited Meeting minutes and actions

Meeting date	18 February 2025, 1pm
Attendees	Jo Young (SAL) Karl Flavell (NTA) Jess Urquhart
Location	Teams
Apologies	Kurt Hine (SAL) Tara Edwards-Tusa (SAL)
Next meeting date	18 March 2025, 1.00pm

Discussion	Questions / Comments / Actions	Responsibility
Overview Jo gave a background overview on where things are at with the Sutton Block application		Jo
Jess gave an overview of the comparison between stage 4 and stage 5 pit and effects, and also what the mitigation package will look like.		Jess
Next steps – Karl to review application and then update CVA. Jo and Jess available to answer any questions.		

MEETING MINUTES

Project: Ngaa Motu a Hingaia (Drury Creek Islands) : Stevensons

Meeting No: 07b

Date: 28/02/25

Time: 2.00pm

Location: Online (Teams)

Attendees:	Name	Representing	email
EH	Ed Hall	McKenzie and Co	
KF	Karl Flavel	Ngati Te Ata Waiohua	
JL	Jeff Lee	Te Akitai Waiohua	
ET	Edith Tuhimata	Ngati Tamaoho	
LR	Lucie Rutherford	Ngati Tamaoho	
DW	David Wilson	DoC	
FM	Fiona McKenzie	DoC	
MW	Michael Wharepouru	DoC	
GU	Graham Ussher	RMA Ecology	
KH	Kurt Hine	Stevensons	
TET	Tara Edwards-Tusa	Stevensons	
JY	Jo Young	Stevensons	
JS	Jenni Shanks	JS Ecology	
JU	Jessica Urquhart	Tonkin Taylor	
MA	Michael Anderson	Bioresearches	
Apologies:			
RR	Rebecca Rush	DoC	
ND	Nigel Denny	Ngati Te Akitai	
PP	Paora Puru	Ngati Te Ata	

- Stevenson are aiming to lodge a Resource Consent application in mid-late March 2025 to extend part of the existing Stevenson quarry (Sutton Pit) in Drury, Auckland. The extension requires removal of existing native bush. Stevenson's are proposing to mitigate extension effects by off-set planting of native plants in other locations around south Auckland and north Waikato.
- The Ngaa Motu a Hingaia (Islands) Recreational Reserve has a governance group (GG) which is made up of Doc and Iwi.
 - The Islands require further planting in order to fully plant out all identified areas
 - JS and JU (Stevenson) presented the proposal to the GG
- Stevenson are seeking consideration from the GG for off-set planting by Stevenson on the Islands:
 - The Stevenson off-set planting would cover an area of 5 hectares on Island #2
 - Planting rate of 5000 plants per hectare
 - Phase #1: plant hardy native plants
 - Phase #2: plant enrichment (susceptible) native plants once phase #1 plants have established. This would be approximately 3 years after phase #1.
 - Stevenson noted that off-set planting needs to be 'like for like'
 - Threatened or 'at risk' species might be added to the planting list
 - Pest control would be undertaken
 - propose to plant 'stands' (up to 10) of Totara within the off-set planting area
 - GU believes the Islands would historically contained Totara
 - Totara has already been planted on Island #1
 - plant shallow rooting species within 50m buffer zone around heritage sites
- The off-set planting areas would be in line with the Restoration Plan 2023-2027 (DRAFT)
- Iwi raised the following points:
 - Consideration of using mana whenua to undertake planting
 - Consideration of cultural and archaeological reports
 - Stevenson to consult iwi on guidance and cultural protocols

Actions:

- JS & JU (Stevenson) to send through relevant information to the GG
 - including the Stevenson RC application that FM (DoC) would like to review
 - including a list of native plants that are being proposed for consideration
- DW (DoC), GU and Iwi to review the list of native plants and provide feedback to Stevenson
- GG to provide feedback to Stevenson by Monday 10th March 2025
- Stevenson to confirm if threatened or 'at risk' species would be added
- GG to present a list of additional considerations to Stevensons:
 - Predator gates, viewing platforms, wayfinding signs etc.

Next Meeting: TBC

Stevenson Aggregates Limited
 Drury Quarry
 Corner Quarry / Fitzgerald Roads, Drury
 Auckland

Ngaati Te Ata Waiohua and Stevenson Aggregates Limited Meeting minutes and actions

Meeting date	4 March 2024
Attendees	Jo Young (SAL) Karl Flavell (NTA) Tim Grace (SLR Planner)
Location	Teams
Apologies	
Next meeting date	-

Purpose of hui – to discuss solar farm proposal.		
Tim gave an overview on the solar Farm project		
Karl questioned how many trees were to be lost	Tim showed the plan which showed 15 trees lost. Tim also showed the wetlands (which will all be maintained).	
Karl asked about stormwater runoff.	Tim outlined that there were gaps between the panels and stormwater would essentially run naturally.	
Karl asked about the mitigation planting.	Jo outlined that tree removal is primarily a permitted activity. But mitigation planting proposed in a wetland and under the Peach Hill Road totara stand. Also planting along Peach Hill for glint and glare. Together we all reviewed the proposed species.	
Karl asked about pekapeka monitoring.	Action – Tim to find out the more recent bat monitoring undertaken by Bioresarches and send that through to Karl. Karl would like monitoring done prior to the tree removal. Jo wanted to consider this, and we can discuss further once Tim gets recent monitoring data.	Tim

Karl asked about consent conditions	Action - Jo and Karl agreed to review consent conditions together.	
Karl had an email list of queries.	These are listed below and comments in red.	

1. Decommissioning

Solar panel farms only have 30 - 40 year life span. They need to have facilities where they can be decommissioned. None in NZ as they are new so someone will need to come up with how to decommission the panels. Overseas, the manufacturers pay to establish entities / social enterprises to deal with them.

Looks to be companies starting to look at recycling of solar farms. Hopefully this space will move as more solar farms are constructed.

2. AEE report / effects still matter.

So usual lens on waterways, coast, environmental impact. The modelling on this stuff from engineers need to be looked at with a grain of salt.

3. Neighbours.

There is glint and glare issue but also overseas solar farm owners have bought people's homes or compensated them for the terrible view.

Already discussed that glint and glare report completed.

4. Lithium batteries.

These things can burn badly however rare. Fire and Emergency in NZ don't have technical skills to deal with these types of fires. So you just let them burn and only "containment".

No batteries storage proposed due to cost.

5. Solar panels have chemicals.

Technology moves fast on the make up of panels. But like other things, the top notch ones are expensive so good operators will pay for the top ones which means chance of them leaking anything or being damaged is small (very small).

Interesting – good to note. No model yet decided which will allow for latest technology to be used.

6. When the companies go bust.

If companies go bust then what happens with the panels and batteries. In Australia, they are thinking of "bonding" companies but this bond has a negative impact on cashflow. That is, companies wouldn't want to be bonded for 30 years especially as the electrical companies buy in 15 year cycles.

FH/SAL have been around a long time so this should not be a problem, but appreciate this might be a problem with solar farm companies.

7. Return the land.

Many farms are not getting a good price for their farming so are reverting to solar farms. But no evidence on it yet whether the land will return to state that it can be re-farmed. Some studies maybe overseas given they are decades ahead.

SAL will continue to farm the land with sheep.

8. Impact on habitats for birds or other species.



Stevenson Aggregates Limited

Drury Quarry

Corner Quarry / Fitzgerald Roads, Drury

Auckland

This depends on the area but once these panels go in, birds won't return (logically speaking, no evidence).

Sutton Block project and western façade project includes many hectares of planting in the immediate vicinity (including the stream below and the entire hillside up to Kaarearea paa.

9. Substation.

Usually one is built with it so they have their own issues which will come via the reports. But if its companies like Contact Energy or Transpower then safer bet because they will be here forever as Govt owned.

Not relevant to this application.

Overall, they are good for the national grid. But given there is so many coming on stream, there will be places that applications for them will decline because they just don't make sense (from reading reports and knowing the land.)

Ngaa mihi,
Karl

Te Ākitai Waiohūa and Stevenson Aggregates Limited Meeting minutes and actions

Meeting date	19 February 2025
Attendees	Jo Young (SAL) Chloe Trenouth (TAW Consultant) Jess Urquhart (T + T Planner)
Location	Teams
Apologies	
Next meeting date	-

Topic
<u>Background</u> Jo gave Chloe an update on what had been going on with the project over the last 6 months. Focus is on lodging the application in mid-March.
<u>Overview of stage 5 proposal</u> Jess gave an overview of the proposal focusing on the changes between stage 4 and 5, and the ecological mitigation package across Drury Quarry, Ngā Motu o Hingina and the Tuakau site.
<u>Queries and discussion points</u> • Where does ONL site in relation to pit? 10 m setback. • Does Tuakau site require consent to undertake wetland rehab? No • Discussion regarding Cultural Management Plan and how that is implemented. Good as it will inform other management plans. • Is the northern bund still required and why is it not needed for Stage 5 – noise not an issue due to depth of pit and visual effects mitigated by planting in ONL. • Any compensation requirements for loss of habitat – copper skink habitat restoration and enhancement not like-for-like therefore compensation requires therefore increases area. • What is the process for the fast-track application – uncertain but panel may seek comments from interested parties. Jo preparing iwi engagement overview document to be circulated to mana whenua for feedback. • Chloe asked about the Thorburn Managed Fill expansion. Jo said that would not be going ahead. The Sutton Block project (as part of stage 5) now involves mitigation along the Peach Hill Stream (where it was going to be diverted as part of the managed fill expansion) so this effectively closes down any potential expansion.

* Submission for protection of Ballards Cove.

AC. ↓ SOS.

* To showed Envoco report

Queshan asked "who checks Envoco's"

meeting to be held @ next meeting
Scott + D'hara to come along
collaboration with IWI = "genuine".

* showed Karearea maps + zoning

↳ To to send out submission docs.
↳ via AC planner.

(5) To showed veget plans.

(5a) wetland mitigation
other options

ie. Te Maketu Pa.
Opapeke Pa.
and 3 others.

Cultural Values

tion of Ballards
cone.

(5) Jo showed vegetation mitigation plans.

(5a) wetland mitigation - need any other options can be investigated

ie. Te Maketu Falls + Reserve
Opakeke Pa. sites for
and 3 others taki.

report
"who checks Envoco"

@ next meeting

come along

WV = "genuine"

Cultural Values Assessment underway

aps + zoning

submission docs.

Ngāi Tai Ki Tamaki and Stevenson Aggregates Limited Meeting minutes and actions

Meeting date	18 February 2025
Attendees	Rev Butler (NTKT) Jo Young (SAL) Jess Urquhart (T + T)
Location	Teams
Apologies	
Next meeting date	TBC

Topic
<u>Update on the Sutton Block consent.</u> Outlined to Rev what has been happening over the last 6-8 months in relation to the project.
<u>Overview</u> Jess presented on the differences between stage 4 and stage 5.
<u>Next steps</u> Rev to review application and provide additional comments. SAL plan to lodge the application in mid-March.

Sutton Block – Stage 5

MEMO

FROM: Jo Young, Consents Manager

DATE: 17 February 2025

Purpose of this memorandum

The purpose of this memorandum is to provide a summary of the key changes between Stage 4 and Stage 5 of the Sutton Block project. This should be read with the following two maps: “*Stage 4 (old pit extent) and stage 5 (revised pit extent)*” and “*stage 4 – stage 5 comparison*”.

Background context

The Sutton Block pit was originally proposed to be developed in four stages over a 50-year period, with ‘Stage 4’ being the final stage (full extent). Stevenson now has a fifth stage, expanding the pit footprint over the same 50- year period.

Key changes between Stage 4 and Stage 5:

The key changes between Stage 4 and Stage 5 are summarised below:

Pit footprint:

- Stages 1-4 have not changed.
- Stage 5, a new stage, would result in a 20-ha expansion of the Sutton Block pit extent. Stage 4 footprint is 88ha and Stage 5 footprint is 108 ha.
- Stage 5 will involve the removal of the northern bund.
- No changes to the pit proximity to Kaarearea paa. A 13ha buffer from the quarry extent to Kaarearea paa remains unchanged.
- No changes to the pit depth (-60 RL) from Stage 4 and 5.
- Avoids the Outstanding Natural Landscape (ONL) overlay to the north.

Vegetation removal:

- In total, the native vegetation loss is approximately 16.78 ha.
- Stage 4 would result in a loss of approximately 10.12 ha of native vegetation.
- Stage 5 would result in an additional loss of approximately 6.66 ha of vegetation (3ha of broadleaf podocarp forest and 3.66 ha of kanuka forest).

Vegetation mitigation:

- To mitigate and offset the removal of 16.78 ha of vegetation, approximately 170 ha of restoration will be undertaken, consisting of 62 ha of new planting and 108 ha of native forest enhancement planting, including pest control.
- Stage 5 results in an increase of approximately 30 ha of planting.
- A total of 5ha of Kanuka and ten groups of Totara Trees (a total of 113 trees) are proposed to be planted on Ngā Motu o Hingaia. This is also a change to the Project as a result of Stage 5.

- A total of 887 relict trees are to be planted to replace 130 large relict trees proposed to be removed.

Stream loss:

- The total proposed stream loss is approximately 3,341 m.
- Stage 4 will result in a loss of approximately 2,643 m of stream length.
- Stage 5 will result in an additional loss of approximately 731 m of stream length. Under Stage 4, the stream was initially planned to be partially removed and diverted around its southern side of the pit. However, the revised plan for Stage 5 will result in the complete loss of this stream.

Stream mitigation:

- To mitigate and offset the total stream loss, approximately 1,053m of existing stream riparian planting within the Drury Quarry land holdings will be undertaken. This is proposed as part of the Stage 5 expansion.
- An additional 2,289 m of stream enhancement at the Tuakau Site will be undertaken. This was proposed as part of Stage 4 and has not been changed.

Wetland loss:

- Stage 4 would result in a loss of approximately 1.88 ha.
No additional wetland loss is proposed as part of Stage 5.

Wetland mitigation:

- To mitigate and offset the total wetland loss, approximately 4.04 ha of wetland restoration, including the creation of wetland habitat is proposed within the Drury Quarry land holdings and at the Tuakau Site. This was proposed as part of Stage 4 and has not been changed.

Archaeology:

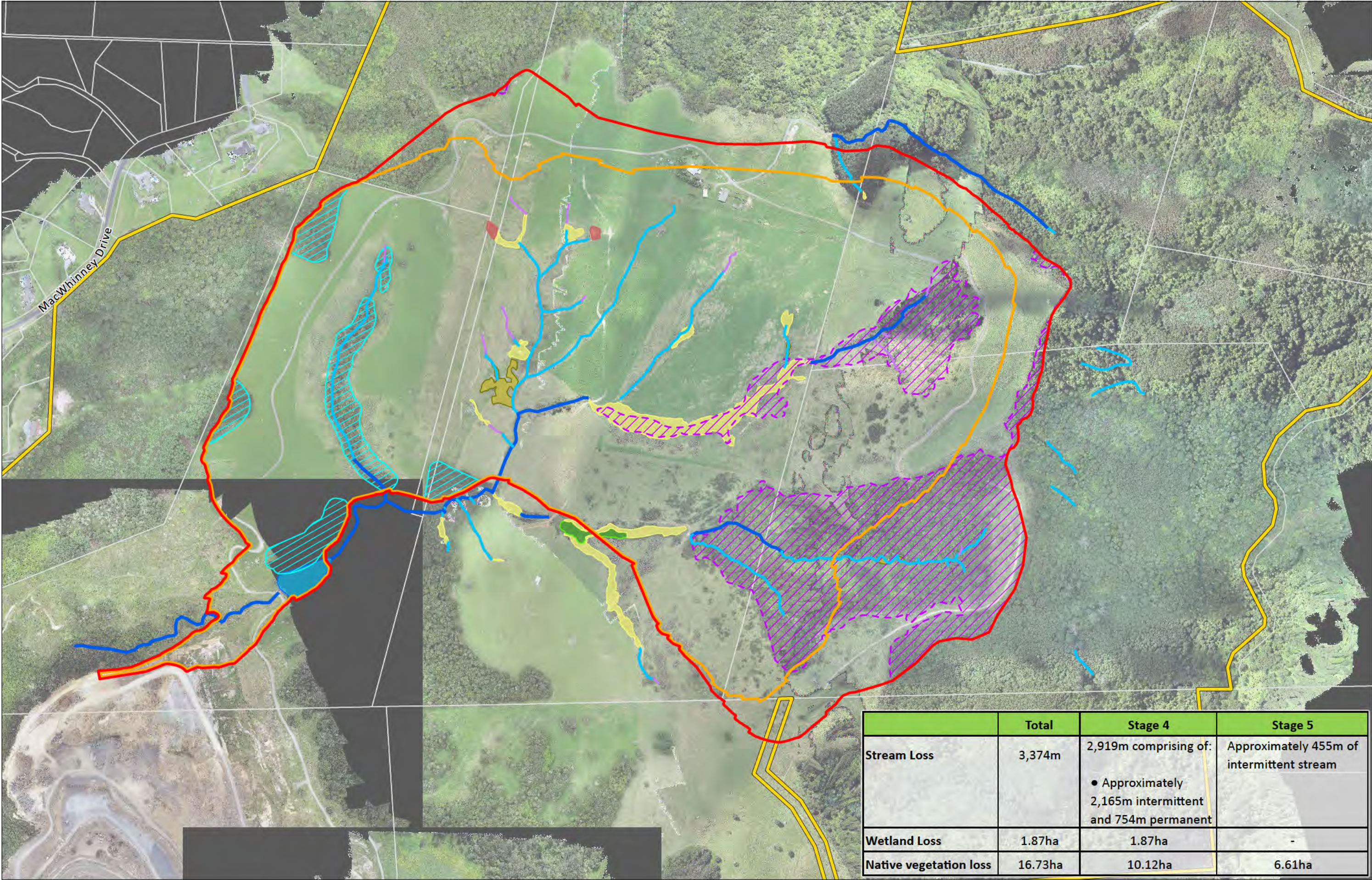
- No recorded archaeological sites were located within the Stage 4 Sutton Block pit footprint.
- Stage 5 would see the removal of one recorded NZAA site reference R12/724 (plants, fence, stonework, earthworks – Farmstead). This site relates to post-1900 activities and potentially might be the site of a farmstead, dating from the 1860s. A revised archaeological assessment has been undertaken to consider the effects.

Landscape and visual amenity:

- Mitigation planting of indigenous species is proposed around the lower flanks of Kaarearea Paa to connect with the existing planting and proposed ecological mitigation planting package. This will assist to visually and physically Kaarearea Paa to the surrounding landscape predominant ridges.
- Viewing audiences will be affected throughout the life of the project for different durations. To mitigate effects;
 - A 15 m wide planting buffer will be established in the west (exotic and native).
 - A 5 m wide planting buffer will be established between the toe of the northern bund and ONL until the bund is removed at Stage 5 (exotic, supplemented by native planting within the ONL which will remain after the bund is removed).
 - The eastern ridge will be lowered during Stage 5, therefore a range of indigenous trees will be interplanted near the crest of the newly formed ridge (proximate to the pit edge).
- Where exotic species are proposed for screening, these will be limited to one or two rows and supplemented with eco-sourced native trees.

Groundwater:

- Stage 4 proposed lowest groundwater dewatering level for the Sutton Block pit was -60 RL and a maximum groundwater diversion rate of 19,183 m³/d. There is no change to the pit depth or, at this stage the groundwater diversion rate as a result of Stage 5. A revised groundwater assessment is currently being undertaken.
- Stage 4 predicted worst-case scenario zone of influence extends from 4.4 km (Stage 2) to 7.5 km (Stage 4).
- Stage 5 would result in a 50m increase in the worst-case scenario zone of influence. This is a very small increase that is not predicted to result in any additional drawdown or stream depletion effects.



	Total	Stage 4	Stage 5
Stream Loss	3,374m	2,919m comprising of: Approximately 2,165m intermittent and 754m permanent	Approximately 455m of intermittent stream
Wetland Loss	1.87ha	1.87ha	-
Native vegetation loss	16.73ha	10.12ha	6.61ha