

PURPOSE OF THE REPORT

1. The Memorandum of Understanding for Mauao Historic Reserve and the Mauao Joint Administration Board (MOU), requires Ngā Poutiriao ō Mauao to provide an annual monitoring report to Council. This report sets out information recommended to be provided by Ngā Poutiriao ō Mauao to Council in accordance with the requirements of the MOU.

RECOMMENDATIONS

That Ngā Poutiriao ō Mauao:

- (a) Approves that the information included in this report will become the content of the Ngā Poutiriao ō Mauao Annual Information Report 2021/22 for presentation to Council.
- (b) Authorises Staff to make any amendments to the annual report as agreed at this meeting, prior to presentation to Council.

NGĀ POUTIRIAO Ō MAUAO

2. Ngā Poutiriao ō Mauao is the Joint Administration Board for the Mauao Historic Reserve, established under the MOU between the Mauao Trust and Tauranga City Council (TCC). Mauao is owned by the Mauao Trust, comprising the three iwi of Tauranga Moana; Ngāi Te Rangi, Ngāti Pukenga and Ngāti Ranginui. Mauao is jointly managed by TCC and the Mauao Trust through the establishment of Ngā Poutiriao ō Mauao. The iwi Waitaha also have a representative on Ngā Poutiriao ō Mauao in recognition of their historical connection to the maunga.
3. The Mauao Trustees currently include:
 - [Redacted]
 - [Redacted]
 - s 7(2)(a) - Privacy
 - [Redacted]
 - [Redacted]
4. The MOU sets out the purpose, functions and structure of Ngā Poutiriao ō Mauao. Under the MOU, Ngā Poutiriao ō Mauao comprises of eight members, being four representatives appointed by the Mauao Trust and four representatives appointed by TCC. In the 2021/22 financial year, Ngā Poutiriao ō Mauao consisted of the following representatives:
 - (a) Mauao Trust Representatives:
 - [Redacted]
 - [Redacted]
 - s 7(2)(a) - Privacy
 - [Redacted]
 - [Redacted]
 - (b) TCC representatives:
 - [Redacted]
 - s 7(2)(f)(ii)
5. In the event that one or both of the Commissioners are unavailable for a scheduled meeting, and to fulfil Ngā Poutiriao ō Mauao quorum requirements, two staff members are appointed to Ngā Poutiriao ō Mauao to act only when Commissioners are not available. These staff are; [Redacted] (first TCC representative if only one

Commissioner absent), and s 7(2)(f)(ii) (second TCC representative if both Commissioners absent).

SUMMARY OF NGĀ POUTIRIAO Ō MAUAO MEETINGS 2021/22

6. Under the MOU, Ngā Poutiriao ō Mauao are required to meet as necessary in order to carry out its functions, and shall meet no less than twice a year.
7. In the last financial year, Ngā Poutiriao ō Mauao met four times: 22 September and 3 December 2021, and 9 February and 4 May 2022. The first meeting of the 2022/23 financial year was 3 August 2022.
8. The table below summaries the key issues discussed at the Ngā Poutiriao ō Mauao meetings in the 2021/2022 financial year. A summary from the 3 August 2022 meeting has been included for continuity.

Meeting Date	Item	Description
22 September 2021	Public Forum	Key points: - The Mount Maunganui Lifeguard Service provided a 24/7, 365 days per year call-out squad which responded to 111 incidents on the beach and at Mauao - There was an average of one call received per fortnight on Mauao, but this figure is increasing every year - It was reported by the squad that communication has been a significant issue, with callers not knowing the names of the tracks or able to clearly give directions to the incident location - The Mount Lifeguard Service has developed a Rapid Response Plan for Mauao
	Oi/Grey-face Petrel long-term monitoring	Key points: - Oi (Grey-faced petrel) have been monitored on Mauao since 1989 - The primary threat to the Oi survival is rats - Around 200 Oi eggs are laid on Mauao per year. For every 100 eggs laid, 50 hatch and approximately 30 fledged - Monitoring of the population will continue to understand the growth of the colony and identify any actions which may be required to ensure the health of the birds
	Operational Report	Highlights: - Eight large exotic trees at and surrounding Waipatukakahu were successfully removed - Four volunteer planting days completed before the Covid-19 induced lockdown - Two nights of shooting took place at end of June to control rabbit and pigeon populations

		• Avalon Ltd undertook regular rock fall inspections. No major issues or concerns have been communicated thus far • Ecoresto (a small pest control team) have been working to deal with climbing asparagus • Four new self-resetting traps have been installed on the maunga, with the ability to target rats/mice and possums, as well as mustelids and cats depending on the lures used • Mauao closed on 18 August 2021 under Covid-19 alert level 4 and 3, re-opened on 8 September 2021 following reduction to alert level 2. Planned upcoming works: • Contractors will be engaged to finish this year's plantings at both Waipatukakahu and the new planting area • The annual archaeological monitoring is scheduled for next month • Ongoing maintenance will continue, including pest plant and animal control; stock and pasture management; walkway maintenance; sign and structure maintenance; Motu Kauri track maintenance; geotechnical rock stability monitoring
	Takitimu North Link proposal to survey, salvage and relocate lizards to Mauao	Key points: • Mountford Consultants provided ecological advice and were making a request associated with Takitimu North Link roading project. Their role was to implement a lizard management plan for any indigenous lizards found along the project footprint. Lizards were identified at eleven sites along the proposed route • A permit from Department of Conservation (DoC) is required to capture and translocate lizards, and this application is underway. Permission from the Mauao Trust is required to use Mauao as a release site for the translocated lizards • Mauao has been identified has a preferred release spot as it has the right habitat requirements and an existing pest control programme to give the greatest chance of success • Consultation has been undertaken with Te Paerangi, a multi iwi/hapu group. They have expressed support for this initiative • Support being sought from Nga Poutiriao o Mauao for the maunga to be used as a release site

	Chairperson's verbal report	The Te Manawataki o Mauao app, a soundtrack which represents the rhythm of Mauao, has been put together as part of the Tauranga Arts Festival. The app will be available for download from 21 October 2021 s 7(2)(a) - Privacy has released a short film titled Taiao, which includes photography from Mauao, receiving permission to film on the maunga and use the Mauao text font
3 December 2021	Public Forum	Key points - Port of Tauranga want to install two cameras on Mauao. Preferred location was identified for its elevation, providing views in two directions, and remoteness to be out of sight of public and away from walking tracks - Structure to be designed to be unobtrusive and require minimal site preparation and disturbance to land - Concern expressed for the impact of archaeological features - Staff would make an assessment to determine if the proposed site was suitable in their opinion, then advise the Mauao Trust of their views and recommendations
	Chairperson's verbal report	Key points: - Tauranga Arts Festival organisers asked that the Te Manawataki o Mauao app be extended for a further six months to the end of summer - Concerns have been expressed that the Te Manawataki o Mauao app may be in opposition to the Arataki app. - Meetings of Ngā Poutiriao o Mauao to be held at Mount Maunganui Lifeguard Club in 2022
	Mauao Trust Verbal Update	Key points: - Building a predator free fence to protect the Oi (grey-faced petrels) was raised - Benefits of the protection of the fence compared against the cost of disturbance to the land would be required - Development of a kaitiaki project for Mauao was discussed. Council is actively supporting and recognising Kaitiakitanga as an opportunity we have in the community to change behaviour. It was noted that kaitiaki projects had been developed with local hapu for specific areas, such as Omanawa Falls.
	Operational Report	Key points: Recent successes were highlighted, noting that 13,000 native trees and grasses have been planted, rabbit control measures have been

		implemented, and the successful renewal of the Orahuine track. - Upcoming planned work includes the eradication of pampas and the engagement of Kia Maia Ellis from Ngai Tukairangi to conduct regular monitoring of myrtle rust over the summer period - Options for the removal of two usable power poles were discussed
	Mauao Implementation Plan Project updates	Key points: - Delivery of the Placemaking and Interpretation Project was underway, with wayfinding signage installation to commence in March 2022. - Temporary emergency wayfinding signage installed following presentation by Surf Lifesaving NZ - Conservation specialist is assisting with preparation of the Pest Control Plan
9 February 2022	Chairperson's Verbal Report	Key points: - Commissioners went on a site visit around Mauao, where they were exhibited cultural and significant landmarks on the maunga, also discussing future projects and budget. - A project was underway to replace the trig point that was removed from the summit, and Matariki was found to be a good time of year. A new compass construction has been proposed for the summit which reflects the cultural significance of Mauao s 7(2)(a) - Privacy are being engaged to carve rocks for the summit of Mauao
	Operational Report	Highlighted recent successes, including: - Planting of 13,000 native trees and grasses - Rabbit control measures - Rat trapping - Installation of temporary rescue number system - Renewal of Oruahine track Upcoming planned works includes the eradication of pampas and undertaking of weekly monitoring of myrtle rust over the summer period Options for the removal of the two usable power poles discussed Annual archaeologic report of Mauao was completed and handed to Heritage NZ
	Mauao Implementation	Key points:

	Plan Project Updates	- A research grant to be applied for in the following financial year to consider feasibility of establishing a visitor centre - Delivery of Placemaking and Interpretation Project underway with wayfinding signage installation to begin in March 2022 - Temporary emergency wayfinding signage installed following presentation of Surf Lifesaving NZ - A prototype Annual Report on Mauao has been published by Law Creative and 100 copies are to be distributed to Mauao Trust. A digital version to be added to website. - Resting of Mauao project to be discussed at a wānanga led by Mauao Trust
4 May 2022	Monitoring on Mauao – s 7(2)(a) - Priv s 7(2)(a)	Key Points: - s 7(2)(a) - Priv has been monitoring the Myrtle Rust infection on Mauao for years - Myrtle Rust was first detected in New Zealand in 2017, and detected in Tauranga Moana in 2019 - In May 2022, it was detected by Oruahine, Waikorire, and Motu Kauri walking tracks, with 15 different infection sites identified. - Discussed the safety implications of a scenario where if big trees become infected by Myrtle Rust and began to fall, they could cause landslides and other hazards. In response to questions: - Cost estimate of \$10,000 to fund three days' works, paying average hourly rate, for some 15 workers to treat the Myrtle Rust. Paid work is more reliable for attendance and is more likely to get work completed on time - Some training will be required for the workers though as the Rust is easily spread - Myrtle Rust can be controlled, but not likely cured - A long-term management plan for controlled Myrtle Rust on Mauao should be developed Discussion points raised: - Financial resourcing will be a major factor in controlling Myrtle Rust on Mauao - TCC staff discussed studying across the city area for Myrtle Rust and focusing on key places to create future plans to control spread of the rust
	Chairperson's Report	Key Points: Noted the Matariki celebration plans, which include the unveiling of the Atea-ā-Rangi (star

		compass) which will be erected at the summit of Mauao - The Board and Trust alerted to the emergency response on the maunga. Search and Rescue, TCC, Police, Mount Lifeguard Service, and Mauao Board members met to discuss and work through emergency response processes on Mauao. A Memorandum of Understanding (MoU) should be developed in the near future In response to questions: - Discussion took place about processes regarding rahui of Mauao (closing of the maunga) following a passing on Mauao - Lizards released on eastern side of Mauao; lizards were already present on western side of the maunga
	Mauao Trust Report	Key points: - All communication for Mauao Trust was via email; no suitable time had been found for all Trust members to attend an in-person meeting - Developed a Mauao care plan, formed a Mauao Kaitiaki group and hoped in future to work with TCC - Scheduled a meeting to discuss the size of the ponamu for the Mauao compass
	Pilot Bay	Key Points: - Representative from TCC (s 7(2)(f)(ii)) provided update to Trust and the Board on the presence and occurrence of antisocial behaviour in the Waikorire track trailer-only carpark. It was noted that this behaviour is a health and safety issue - The antisocial behaviour is understood to be affecting the use of the boat ramp - Risk assessment concluded that this creates a very high risk for TCC, and it is hoped that a quick and cost-effective fix can be implemented - Installation of a manual barrier gate/arm was seen as a good solution, and the addition of speed bumps at entry and exit points off Adams Ave could provide further benefit
	Mauao Implementation Plan: Project Updates	Provided updates on: - Manufacturing of wayfinding signage was being completed and timing was being discussed on when to install on Mauao - Table of works to be circulated following the hui - Waipatukakahu signage was vandalised beyond repair, and will be replaced

		• Opportunity to display signage of future developments in a visible • Need for alignment and consistency with projects, signage, and future developments across iwi and hapū of Tauranga Moana
	Operational Report	Key points: • Recent success with the People Plants Schools programme, which has undertaken their second seed collection day on Mauao. Seed walks were guided tours where s 7(2)(a) - Priv spoke of historical places and stories • The first ever translocation of species (lizard) on Mauao took place. There is potential for further species translocation in the future • There has been no genetic testing in New Zealand on pōhutukawa to compare hybrids and traditional species • Removal of large exotic trees from the southern side of Mauao to be done with the help of helicopter. Removal of the trees is necessary to prevent further damage to archaeological sites. • Helicopter would also carry the greenstone for the cultural compass feature to the summit of Mauao • A further five trees (two oak and three pine) have been identified for removal, but are not located near archaeological sites and have not been prioritised.
3 August 2022	Chairperson's Verbal Report	Key Points: • There were two presentations to Ngā Poutiriao ō Mauao at the November 2021 hui. The first was in regard to the lizard release on Mauao, which was completed in 2022. The second was on the Oi (Grey faced petrel) colony on Mauao. Two feathers were taken from two Oi on Mauao, and these were to be used to measure stress levels found in the birds and compared with specimens from other Oi from across the North Island • Statistics of the Oi colony were presented to the Chair, which demonstrated that the colony was healthy. Some 200-300 Oi can be found on the Norther Face of Mauao and the population is growing • Discussion was held to monitor and protect the Oi colony (Oi are a protected and endangered species), and it is hope that the Mauao Kaitiaki Group can be engaged in the effort • The Community Relations team has put together a video regarding the wayfinding

		signage, the new cultural compass, and the local companies and craftspeople involved in the Mauao works Discussion was held regarding the promotion of the story of Mauao to the wider public, and all the work that has taken place on the maunga in 2021-2022. This could help connect with what TCC is doing across the city
	Mauao Trust Verbal Report	Key points: § 7(2)(a) - Privacy has resigned from Mauao Trust, and the Trust welcomes § 7(2)(a) - Privacy as a new member § 7(2)(a) - Privacy attended his for meeting for Mauao Trust at the end of July 2022, and his replacement for Ngā Poutiriao ō Mauao is being sought. Two candidates with very strong commitment to Ngā Poutiriao ō Mauao have been identified, and § 7(2)(a) - Privacy will remain in place until a replacement has been appointed - The process of appointment of the members of Ngā Poutiriao ō Mauao involves nominations which came from iwi organisation, with final decision made by Ngā Poutiriao ō Mauao. Ngā Poutiriao ō Mauao supports that Mauao Trust appoints the members to Ngā Poutiriao ō Mauao. - A verbal update on Ngā Poutiriao ō Mauao was received by the Trust - Mauao Trust has appointed § 7(2)(a) - Privacy as an administrator
	Event decision-making framework for Mauao	Key points: - Staff have developed a draft events plan, but sought clarity and expectations regarding the type and frequency of events which are appropriate for Mauao - There was discussion about incorporating a koha for events on Mauao, and understanding the cultural significance - It is important to understand how events will happen in the future, including an exploration of the purpose of why these events are being run. If events are charging fees to participation, are a portion of the proceeds going to Mauao Trust? This could be an opportunity to assist with paying for maintenance and damage which may occur from events. The aim is not to stop events, but need to make sure that the health and wellbeing of Mauao is considered - Defining an events plan will help to create certainty for the events team when dealing with

		applicants which will streamline the process and ensure that activities align with the values of Mauao Trust It was discussed that it is worth considering alternative places and spaces across TCC for events
	BOP Hang Gliding and Paragliding Association	Key points: - It was noted that the Association has the same driver, vehicle, number plate, and key holder for use of 4x4 track to carry gear to the launching site - It was noted that there is a desire for members of the association attend and present to Ngā Poutiriao ō Mauao's annual meeting in November, which follows the BOP Hang Gliding and Paragliding Associations Annual General Meeting in September. This will allow them to provide update to their activities and directly address any issues (should they occur) - Concerns were raised about potential rogue paragliders who were not abiding by the Association's rules and regulations. The Trust expressed an interest hear from the Association about what actions would be taken if people were participating in hang gliding or paragliding activity that did not adhere to the Association's rules
	Mauao Implementation Plan Project Updates	Key points: - A number of placemaking elements are due to be completed by the end of the year, including very visible signs which convey stories and knowledge of Mauao. Some spare signage should be available to quickly replace damaged or vandalised signs - There was discussion regarding the involvement of Community Relations staff to assist in advertising the stories and significance of Mauao to the wider community, which is hoped will help reduce vandalism targeted at Te Reo names on the wayfinding signage - It is noted that resting, fatality management processes, and Kaitiaki projects are all sitting with Mauao Trust, and discussion and planning is ongoing - There was discussion regarding the establishment of a group who could do guided walks and provide information about areas, names and features of cultural significance. This can tie in with the ongoing exploration of the cultural centre, which could feature as a

		meeting point and create a positive asset to promote education around Mauao. Additionally, the employment opportunities would provide further benefit. There is potential for Tourism BoP to have a role implementing guided tours, as well as advertising Tauranga's heritage and activities when cruise ships return to capture some additional tourism benefits instead of them going elsewhere • The Waka Launching site has budget allocated in the Long-Term Plan, however no such inclusion exists at present for the cultural centre project •
	Operational Report	Key points: • A significant achievement was the successful removal of exotic trees from Mauao, with 28 tonnes of material taken from the maunga. This has reduced the threat and damage to important archaeological and heritage sites on Mauao • Rabbit control and fumigation has proven effective, with lower numbers of rabbits identified • A plan for predator free Mauao is being developed to enhance the protection of native species on the maunga • The Matariki ceremony was very successful, with 30 kaumatua taken to the summit of Mauao for the event • There was discussion regarding the use of rocks along the edge of Waipatukakahu to define the area, with the idea that rocks from specific places with connection to Mauao be used. In principle, there was no objection to Mauao rock being used, but it is not yet understood if there is enough available for use that would not affect the maunga

PROJECTS AND ACHIEVEMENTS FOR THE YEAR

Ngā Poutiriao o Mauao support for the Mauao Strategic Plan 2016 – 2021

9. The Memorandum of Understanding for the Mauao Historic Reserve and the Mauao Joint Administration Board notes that a function of Ngā Poutiriao ō Mauao is to provide information to the Mauao Trust on the achievement of the Mauao Trust Strategic Plan. The table below identifies the ways through which Ngā Poutiriao ō Mauao has supported the Trust to achieve its strategic goals during the period June 2020 to June 2021.

Strategic Goal	Key ways that Ngā Poutiriao ō Mauao has supported achievement of goals
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To promote and celebrate Mauao as a foundation of identity and mana of Ngai Te Rangi, Ngati Ranginui and Ngati Pukenga	• Regular meetings with formal representation and decision making from Ngai Te Rangi, Ngati Ranginui and Ngati Pukenga and Waitaha-a-hei. • Joint meetings with Mauao Trust. • Ongoing delivery of Placemaking and Interpretation Project with representation from Ngai Te Rangi, Ngati Ranginui and Ngati Pukenga and Waitaha-a-hei. • Provision of information on Council's website, and proposal for the development of a stand-alone Mauao website in the future. • Ongoing delivery of Te Mahere Whakamahinga o Mauao 2018-28 (Mauao Implementation Plan).
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Restore and Protect the health and wellbeing of Mauao for future generations	• Commencement of Te Korowai o Mauao (planting and restoration) Plan. • Significant annual planting. • Erosion control through planting, stock management, maintenance of walkways, annual rockfall monitoring programme. • Annual archaeological site monitoring and reporting to assess erosion of historic features. • Pest animal and plant control programme.
Protect our cultural heritage sites on Mauao and preserve our knowledge and history of Mauao	• Planning trial of native grass with aim to protect cultural and heritage sites. • Erosion control through planting, stock management, maintenance of walkways, annual rockfall monitoring programme. • Annual archaeological site monitoring and reporting to assess erosion of historic features. • Development of Placemaking and Interpretation Project with representation from Ngai Te Rangi, Ngati Ranginui and Ngati Pukenga and Waitaha-a-hei. • establishment of all year fire ban and elimination of all fire risk species.
Govern effectively through strategic relationships and robust internal processes	• Joint meetings with Mauao Trust. • Workshops with Mauao Trust on significant issues affecting the management of Mauao. • Representation by Mauao Trust members on significant projects. • Ngā Poutiriao ō Mauao regularly seeks advice and approval from Mauao Trust to help them make decisions about the management of Mauao.

Volunteer support

10. Ongoing volunteer support on Mauao continues to primarily comprise pest animal bait lines (Forest and Bird, Western Bay Wildlife, Bay Conservation Alliance), as well as a seasonal increase during the plating season.
11. Update on volunteer program “People, Plants, Schools” (PiPS).
12. s 7(2)(a) - Privacy and s 6 - Maintenance visited the schools that are involved in the PiPS programme. The students had successfully germinated the seeds they collected from Mauao and grown them to a size large enough to re-pot. It was great to see the passion and care that children showed towards their trees. The children were excited at the prospect of creating a forest on Mauao that will become a taonga for years to come.
13. The second annual seed collection for the PiPS programme was successfully carried out on 19/3/2022.
14. PiPS successfully completed their first planting on Mauao of approximately 80 plants.

TE MAHERE WHAKAMAHINGA O MAUAO: MAUAO IMPLEMENTATION PLAN – KEY PROGRESS AND ACHIEVEMENTS

Funding decisions through the 2021-31 Long Term Plan

15. A total of \$3.8 million was approved through the 2021-31 Long-term Plan (LTP) for delivery of the Mauao Implementation Plan. This specifically funds the following projects:

Reference from Implementation Plan	Project Name
F1	Undertake archaeological research
F2	Implement Placemaking and Interpretation Projects
F3	Implement Te Korowai o Mauao Restoration and Planting Plan
F12	Sponsorship Framework Development
S3	Walkway and Seating Plan and Implementation
S5	Waka launching site – investigate options, develop plan and implement
S6	Investigate options to establish a cultural/visitor centre
S7	Investigate and implement digital storytelling
T1	Undertake archaeological research of stone steps
T2	Research stone jetty and establish a repair programme

16. Further information is provided on specific projects below.

Archaeological research (Project F1)

17. Undertake Archaeological Research is identified as project F1 in the Mauao Implementation Plan, and relates to aspirations outlined in the Mauao Historic Reserve Management Plan, to enable further understanding of Mauao through archaeological research.
18. The Mauao Historic Reserve Archaeological Research Strategy prepared by In Situ Heritage Ltd has been finalised, with final approval received by Mauao Trust. The strategy includes a range of methodologies to investigate the former settlement pattern and lifestyle of the ancestors who resided at Mauao. The findings will identify and map previously unrecorded cultural and historic resources, which are currently only known through stories passed through generations.
19. s 7(2)(f)(ii) at Tauranga City Council is leading the project delivery.
20. The first step in the fieldwork is to begin on 9-11 August 2022, using a non-invasive technique, and utilising the skills of an international specialist visiting New Zealand for a short period of time. The geophysical survey method is described by InSitu Heritage as follows:

‘Geophysical survey is a non-invasive technique that provides a picture of sub-surface anomalies that may relate to human activity (e.g., fireplaces or hāngī). This project will use a Bartington Fluxgate Gradiometer to map areas on the northeastern and southwestern slopes of Mauao where no visible surface features are present. The results of the mapping will be collated in a single digital raster file with an accompanying explanatory report.’

21. Funding has been obtained through the 2021-31 LTP to undertake the research .

Placemaking and interpretation (Project F2)

22. Placemaking and Interpretation is identified as project F2 in the Mauao Implementation Plan, and is now in the delivery phase. There are various components to the project from investigation and design to implementation, including branding, reproducing publications, brochure, design guide, wayfinding signage and placemaking. The key document produced

through this project has been the Placemaking and Interpretation Design Guide, which details the full suite of deliverables, including signage and sites for placemaking.

23. Funding for implementation has been successfully obtained through the 2021-31 LTP, and implementation will commence this year.
24. s 7(2)(f)(ii) at Tauranga City Council is leading the project delivery.
25. Beca continue to work on the consenting requirements for the project. The archaeological authority for all works and resource consent for the majority of structures have been obtained. Beca are also providing engineering input for the remaining placemaking sites which require resource consent to enable works in 2023.
26. Law Creative has provided design services for the Placemaking and Interpretation Project from initiation and continue to work within the project delivery phase for manufacturing and installation, and are managing many of the sub-contractors required for delivery.
27. Te Tapu Ātea a Mauao – Te Ara Māhiti, the name gifted to te kapehu (compass) located at te tihi o Mauao (summit), was the first placemaking site for installation. It was unveiled at dawn on Matariki, Friday 24 June. A huge, combined effort between many was made to source the bespoke materials and processes and install all components prior to Matariki. Phase two, which will see the installation of the outer rings, is due to be completed by March 2023.
28. The installation of the wayfinding signage was completed the week of 18-22 July, with closures of the maunga to facilitate installation. Unfortunately, some signs have been subject to vandalism, which has targeted te reo Māori text.
29. The next placemaking sites due to be completed in the next financial year in 2022 are Waipatukakahu, Te Uru Karaka, Tangaroa, Te Kuia/Te Kuri, Te Puna Waitapu (Waipareira Well), and the ecological interpretation signage. The remainder of placemaking sites are scheduled for 2023.

Korowai: Restoration and Planting Plan (Project F3)

30. Korowai: Restoration and Planting Plan is identified as project F3 in the Mauao Implementation Plan and was initiated in 2020.
31. The two trials of native grasses have had mixed results since being planted. The primary site (Midden) was unfortunately not successful due to the hot summer and the planting medium being shell. We are reducing the size of this area and attempting to sow the Native grass seed directly onsite.

The second trial at Waipatukakahu was much more successful, with the majority of the site surviving summer, this is again likely due to the more fertile planting medium (soil) and the location (next to a Puna).
32. 6000 plants have been planted over June and July by a combination of volunteers at three community planting days and contractors. Some have been planted to infill existing revegetated areas, particularly near the Waikorire track, and the remainder near the Motukauri track. The recent removal of 18 exotic trees in July which necessitated the use of a Blackhawk helicopter was successful; 286 tonne was removed off sensitive archaeological features, with no major ground impact, or impact on adjacent ancient karaka.
33. The recent removal of 18 exotic trees in July which necessitated the use of a Blackhawk helicopter was successful; 286 tonne was removed off sensitive archaeological features, with no major ground impact, or impact on adjacent ancient karaka.
34. A report to guide consideration of future restoration planting sites while protecting historical and cultural values prior to the completion of the archaeological research, has been prepared by InSitu Heritage, titled *Te Korowai o Mauao: Archaeological Site Management and the Ecological Restoration of Mauao Historic Reserve, Tauranga*. The report illustrates the location of areas of archaeological significance on Mauao in relation to vegetation management units,

with descriptions of appropriate management within these units, based on the Conservation Plan for Mauao Historic Reserve produced by Wildlands in 2015.

Resting of Mauao and Fatality Management Procedure Development

35. Mauao Resting Period Establishment and Fatality Management Procedure Management are identified as projects F8 and F10 respectively in the Mauao Implementation Plan.
36. Mauao Trust have been discussing the direction of these projects conjointly as they correlate, with updates to be received to Ngā Poutiriao ō Mauao through Mauao Trust.

Kaitiaki o Mauao

37. The development of a programme to establish Kaitiaki o Mauao is identified as project F11 in the Mauao Implementation Plan. This project is to investigate a kaitiaki programme, to be co-designed between the Mauao Trust and Ngā Poutiriao ō Mauao.
38. Mauao Trust have been progressing this project, with updates to be received to Ngā Poutiriao ō Mauao through Mauao Trust.

Pest control plan (Project S2)

39. An integrated animal pest control programme continues to be successful on Mauao using a combination of volunteer support, staff and contractor involvement.
40. The priority continues to focus on the rabbit population to ensure Archaeological protection. Fumigation and monthly shooting continue to keep the population low. Based on sightings during shooting, the approximate population seems to be between 20-50. There is now multiple high-level Shooters at our disposal which results in a greater ability to respond with extra control during peak breeding cycles.
41. The pest animal control relating to the protection of forest species is completed by both volunteers and contractors using bait stations and kill traps. This effort is then monitored using the six permanent monitoring lines. The monitoring lines are still under one year old which means the data set is very limited, in time this will become a reliable data set and show long term trends. For now, the data clearly shows overall good control and the effectiveness of the Pulse completed before the 1/2/2022 monitoring.

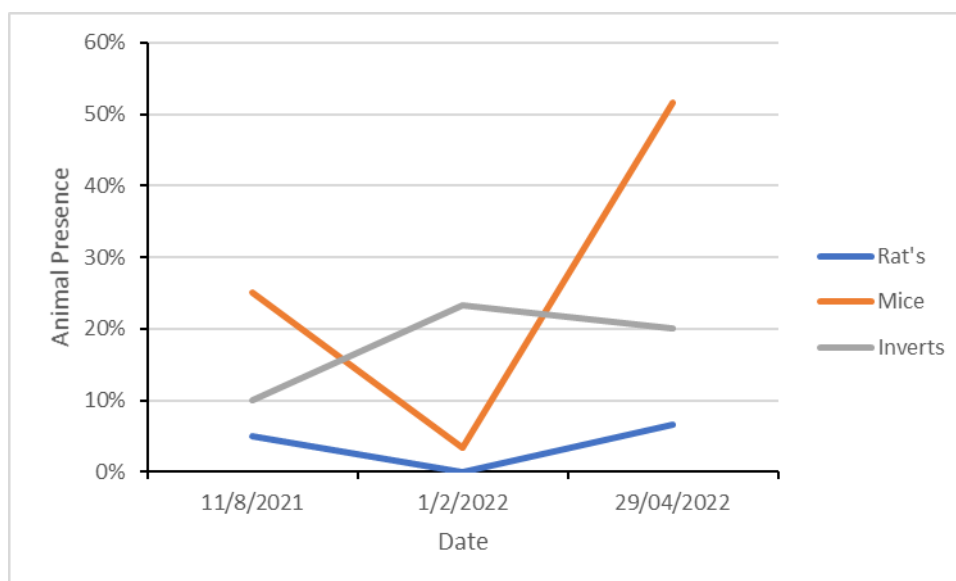


Figure 1: Ongoing Pest Animal monitoring lines data

42. A review of this programme through the planned preparation of a Pest Control Plan to ensure pest control methods used on Mauao continue to be the most appropriate for the environment was initiated in 2021/2022, and is yet to be completed.

Mauao Rabbit Population Monitoring report 2015-2021

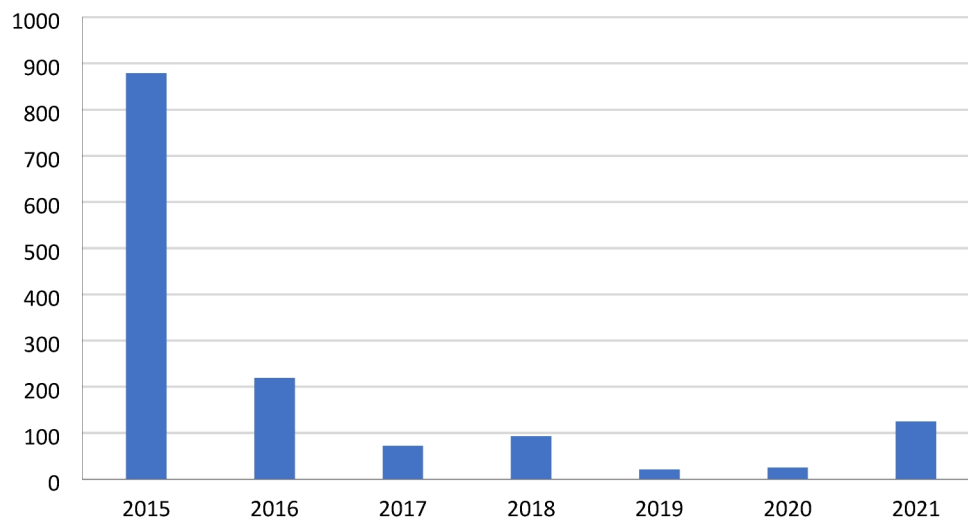


Figure 2: Annual rabbit population estimates on Mauao.

Establish and implement a pedestrian traffic monitoring programme (Project I2) [update from

s 6 - Maintenance

43. From July 2021 to June 2022 there were 556,292 visitors who hiked to Te Tihi o Mauao (the summit), and 495,416 visitors who used the Te Ara Tūtanga (Base Track). Combined, this equals 1,051,708 visits.
44. The following figures show the monthly and annual trends over the past six years.

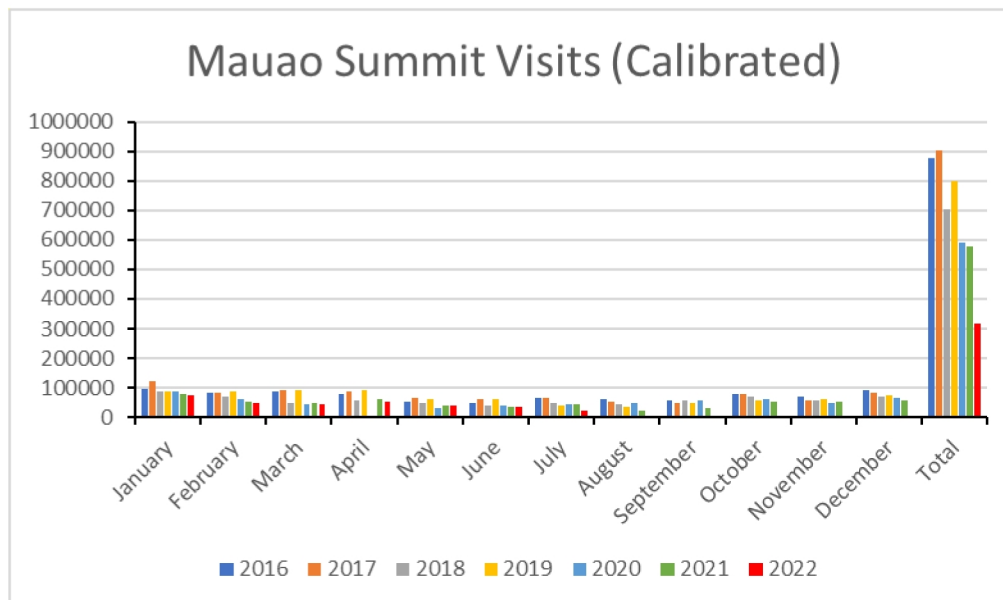


Figure 3: Monthly Records of Te Tihi o Mauao (the Summit) visitor numbers, 2016 to 2022

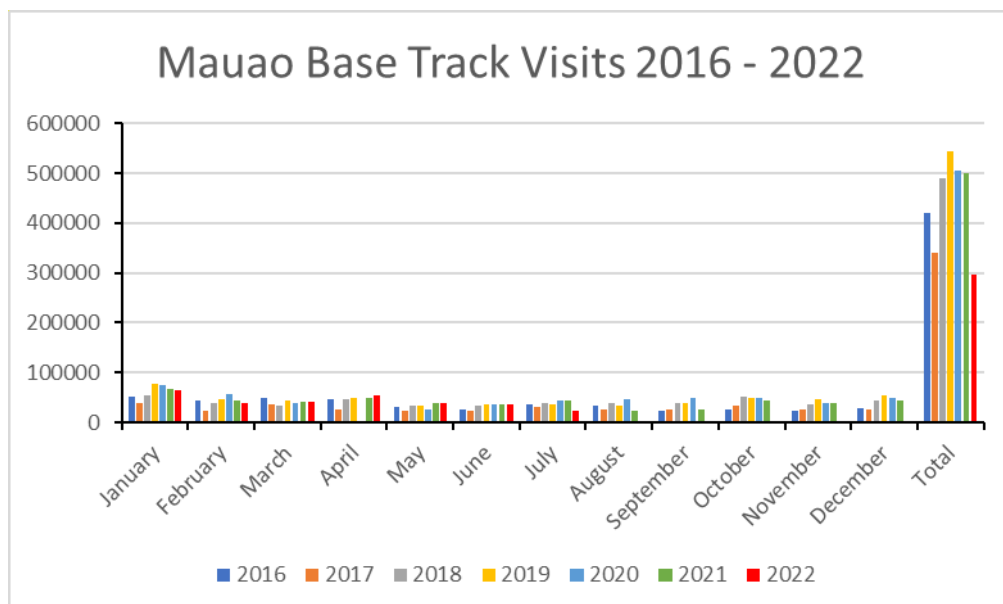


Figure 4: Monthly Records of Te Ara Tūtanga (Base Track) visitor numbers, 2016 to 2021

Waka Launching Site Options and Cultural Centre/Visitor Centre Investigation

45. The Waka Launching Site Options and Cultural Centre/Visitor Centre Investigation are identified as projects S5 and S6 respectively in the Mauao Implementation Plan.
46. A working group was formed at the 9 February 2022 Ngā Poutiriao ō Mauao hui to progress these projects concurrently. This project has been on hold, with progression to occur as soon as possible in this financial year, alongside the options arising from the Waikorire component of the Marine Facilities Strategy.
47. The projects as included in the Mauao Implementation Plan, and therefore budgeted into the Tauranga Long Term Plan, cover the investigation of options, and implementation of a waka launching site, however the next step of implementation for a Cultural/Visitor Centre requires cost estimation and funding once the options and feasibility are determined.

Implementation Plan annual review

48. Te Mahere Whakamahinga o Mauao: The Mauao Implementation Plan is required to be reviewed and reported on annually under the MOU.
49. The plan was last reviewed in October 2020, and upon review in the 2021/2022 financial year, did not require further amendments.
50. It is anticipated that amendments to the projects within the plan will be required following the LTP process in 2022/2023, including the project lists for upcoming and completed projects, timing and cost estimates.

MAUAO EVENTS SUMMARY

51. The table below shows the calendar of events scheduled for the 2021/22 year located on Mauao, and consisting of sixteen scheduled events and two weddings. As detailed in the table below, nine of the eighteen scheduled events were cancelled due to COVID-19.

Start Date	Description	Type	Status
21/08/21	Mount Maunganui Half Marathon 2021	Event	Cancelled due to COVID-19
11/09/21	Foundation Clinic Mauao Half Marathon 2021	Event	Cancelled due to COVID-19

19/09/21	Tauranga Marathon 2021	Event	Cancelled due to COVID-19
05/11/21	I am Hope Fundraiser (24hr Mauao Walk)	Event	Confirmed
07/11/21	Tauranga City to Surf Fun Run/Walk 2021	Event	Cancelled due to COVID-19
13/11/21	GENX/ Marra Tinman Triathlon 2021	Event	Cancelled due to COVID-19
26/12/21	King and Queen of the Mount 2021	Event	Confirmed
29/12/21	s 7(2)(a) - Privacy wedding ceremony	Wedding	Confirmed
22/01/22	Mount Festival of Multisport 2022	Event	Confirmed
20/02/22	Generation Homes Women's Triathlon 2022	Event	Cancelled due to COVID-19
13/03/22	Marra Sprint Triathlon 2022	Event	Confirmed
19/03/22	Superhero Walk for Waipuna Hospice 2022	Event	Cancelled due to COVID-19
20/03/22	Foundation Clinic Mauao Half Marathon 2022	Event	Confirmed
02/04/22	The Mount Swim 2022	Event	Confirmed
16/04/22	Wedding Ceremony - s 7(2)(a) - Privacy	Wedding	Confirmed
30/04/22	Mount Maunganui Half Marathon 2021 (postponement from 21/08/21)	Event	Cancelled due to COVID-19
20/05/22	Ultimate Athlete NZ 2022	Event	Confirmed
05/06/22	Mount Runners and Walkers Half Marathon 2022	Event	Cancelled due to COVID-19

OPERATIONAL SUMMARY

52. The following paragraphs set out a summary of the operational works on Mauao for the 2020/21 financial year. The Operational Fund allocated to Mauao in the past year was \$704,193.00. The budget was used to deliver the following core maintenance responsibilities on Mauao:
53. **Track maintenance** – The maintenance and management of approximately 15km of tracks to desired level of service for the year-round use of Mauao. The maintenance of the track network directly contributes to the protection of heritage values on Mauao by ensuring that suitable access is provided without damage to significant heritage features. Mauao is one of the most visited destinations in the Bay of Plenty with over a million visits per year.
54. **Surface and step renewals** – This year's surface renewals saw the Oruahine track upgraded and renewed. This included creating an outer track edge, which reduces the amount of aggregate being lost and contributes to making a safer track.
55. In addition to the larger track works, improvements to the Te Ara Tūtanga (Base Track) included resurfacing sections and removing trip hazards.
56. **Restoration planting** – Revegetation planting to restore Te Korowai o Mauao continued this period, with approximately 13,000 native plants and grasses being planted across approximately 12,000m². Additionally, eight large exotic trees at Waipatukakahu were removed as part of the site restoration.
57. **Slips site planting** – As a result of the success for Wiwi in slip sites, approximately 800 Wiwi have been planted into existing slip sites as well as on the track edges.

58. **Heritage feature protection** – Unfortunately the temporary fence placed around and eroding midden above the large slip at Te Paeopara pā has not been as successful as in previous years. The fencing material will be changed to discourage sheep.
59. **Fencing improvements and grazing reduction** – No changes from previous year.
60. **Pest control programme** – Prioritised pest plant control across the whole of Mauao has been effective this year. This includes maintenance of planting sites to ensure successful removal of exotic weed trees and targeted control of priority weeds with the resources available.
61. The main pest plant dealt with on Mauao include wilding pine, Buckthorn, Bone-seed, Climbing Asparagus, gorse, Japanese honeysuckle, Provit, Moth plant, and Pampas. Due to the success of last year's aerial pampas operation, a follow up was successfully completed with positive results
62. **Pasture management** – Management of 22 hectares of grazing to protect archaeological features and maintain open space on the reserve. This includes the management of a health sheep stock heard to ensure the desired grazing is achieved with minimal impact on the significant archaeological landscape, maintenance of effective fencing, the control of pasture pest plants and stock water supply. This year, a trial to test the viability of a native grass in the pasture was organised and planted in two locations. Site one is a large midden above the water tank within the new planting area. This site is challenging due to the planting medium being mainly shell. Site two is around the Puna at Waipatukakahu, which has a much better planting medium.
63. **Stability monitoring and loose rock scaling** –To ensure visitor safety within the reserve, cyclical monitoring of potential rock fall hazards was undertaken by specialist contractor Avalon. This cyclical monitoring identified an area of rock which was unstable and posed a serious risk to users. To remove this risk Avalon were engaged to 'scale' these rocks in a controlled fashion.
64. **Myrtle Rust** – Myrtle Rust has been discovered on Mauao. This infection has been discovered on the Oruahine track (single infection), Waikorire track (approximately 6 small trees), and Te Ara Tutanga (small amount at Pilot Bay entrance). Furthermore, on a recent off-track walk a single infection was discovered on a self-seeded pohutakawa. Small infections (one or two leaves with spots) were removed by hand when the walkway search was completed. Larger infections were marked and then removed by Full Circle Arboriculture Ltd who have experience with removal. Unfortunately, as that main dispersal mechanism for Myrtle Rust is wind, complete local eradication is very unlikely. Therefore, ongoing management is required. This management/response plan is being created by s 7(2)(a) - Privacy (Mauao Trust), s 6 - Maintenance (TCC), and members from Scion (Forestry Research Institute).
65. **User Safety** – A handrail was installed at the Summit of Mauao to stop users from climbing down to a dangerous 'selfie rock'.
66. **Student Projects** – An agreement with the tertiary institute of Toi Ohomai was made to allow Environmental Management students to undertake their research projects on Mauao. These projects will be repeated each year (with slight changes), this will result in an ongoing data set for environmental aspects such as forest growth, invertebrate presence, pest presence around sensitive wildlife such as Oi (grey faces petrels), and the presence of native species.
67. **Parks contract services update including services on Mauao**
No changes to incumbent contractors have been made this year. Details of the existing contracts are listed below:
- TC 132 – 17 Mount Maunganui and Papamoa Parks and Reserves Maintenance – This contract has been let to Smart Environmental Limited. The scope includes the maintenance of signage, structures and furniture on Mauao.
 - TC 127 – 17 Natural Environment Management contract – This contract has been let to Wildland Consultants Limited. This is a city-wide contract, and the scope of works includes plant and animal pest control and restoration activities on Mauao.

- The tracks and walkways on Mauao are maintained under the existing TC 1 - 14 Tauranga Reserves Walkway Maintenance contract through until 30 June 2022.

MEETINGS SCHEDULED IN 2022/2023

68. The final meeting for 2022 will be 9 November. All future meetings are scheduled as joint meetings of the Mauao Trust and Ngā Poutiriao ō Mauao.
69. Meetings for 2023 have not yet been scheduled.

ATTACHMENTS

Nil