

10.3 Ngā Poutiriao o Mauao Annual Information Report 2020/21**File Number:** A12893531**Author:**

s 7(2)(f)(ii)

s 6 - Maintenance of law

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Authoriser:

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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 o Mauao Annual Information Report 2020/21 2020/2021 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; Ngai Te Rangi, Ngati Pukenga and Ngati 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 2020/21 financial year, Ngā Poutiriao ō Mauao consisted of the following representatives:
 - (a) Mauao Trust Representatives:
 - [Redacted]
 - [Redacted]
 - s 7(2)(a) - Privacy
 - [Redacted]

(b) TCC representatives:

- From 1 July 2020 to 7 April 2021:

- (i) s 7(2)(f)(ii)
- (ii) Steve Morris, Councillor, TCC
- (iii) s 7(2)(f)(ii)
- (iv) s 7(2)(f)(ii)

- From 7 April 2021 to current:

- (i) Commissioner s 7(2)(f)(ii) (Deputy Chair)
- (ii) Commissioners s 7(2)(a) - Privacy

5. Also, from 7 April 2020, 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 were appointed to Ngā Poutiriao ō Mauao to act only when Commissioners are not available. These staff are; s 7(2)(a) - Privacy (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 2020/21

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 five times: 22 July, 7 October and 2 December 2020, and 7 April and 2 June 2021.
8. The table below summaries the key issues discussed at the Ngā Poutiriao ō Mauao meetings in the 2020/2021 financial year.

Meeting Date	Item	Description
22 July 2020	Mauao Trust update	Noted the opportunity to pursue funding from BOPRC for planting on Mauao. Trust had received a request by a commercial operator to transport less able people around Mauao – Trust hesitant due to commercial nature. Trust investigating opportunities to establish a Kaitiaki programme and cultural centre on Mauao.
	Te Ara Tūtanga (Base Track) update	Updating the base track repair project: - The repair had stood up well to recent storms - Further work includes drainage and planting - Maintenance includes monthly structural integrity inspections - Decision required about the ongoing future of the temporary diversion track Actions: - Staff to report back at next meeting on issues and options for the temporary diversion track
	Operational Report	Highlights: - Impending installation of a defibrillator unit on Te Tihi o Mauao (the Summit) - Offer from Heart Box to two additional defibrillators - Successfully completed planting season – 8,845 plants installed

		Actions: - Staff investigate potential additional locations for defibrillators - Ngā Poutiriao ō Mauao to be more pro-active about communicating success stories e.g. defibrillators
	Sport Rock Climbing – permission to use Mauao	Seeking resolution on the future use by sport rock climbers of Mauao. Resolution not to permit any further sports rock climbing on Mauao.
	Mauao Implementation Plan – proposed annual review and update	Seeking approval to review the plan, and establish a working group to commence preparing a planting restoration plan. Resolution to approve review of plan and establish the working group.
7 October 2020	Public Forum	BOP Hang Gliding and Paragliding Association CoastSnap Resolution to support CoastSnap's proposal to install a station on Mauao for public to take photos of Main Beach to upload to CoastSnap's site for beach profile monitoring
	BOP Hang Gliding and Paragliding Association Annual Review	Seeking approval to change contact details for approval for vehicle use of roadway to Te Tihi o Mauao (the Summit). Resolution to accept changes.
	Caring for Communities funding - Update	An application to the Government's Caring for Communities funding was being prepared, and would include projects in the Mauao Implementation Plan.
	Te Mahere Whakamahinga o Mauao: Mauao Implementation Plan Annual Review	Seeking approval of amendments to the Implementation Plan. Resolution to approve amendments.
	TrailRider Progress Report	Seeking approval to use for the trail rider on Te Ara Tūtanga (Base Track) and Motu Kauri Track (4WD track), and to photography, filming and drone to create promotional material. Resolution to approve Chairperson to approach Trust for permission to use Trailrider and approval to film etc.
	Temporary Te Ara Tūtanga (Base Track) Diversion Track – Issues and Options	Seeking a resolution on next steps regarding removal of the temporary diversion track. Resolution for Chair to work with Mauao Trust and Heritage NZ to further consider options for the diversion track and report back to next meeting.
	Operational Report	Highlights: - Two defibrillators installed - Planted 175 Mauao sourced Karaka - Annual report on archaeological features received

2 December 2020		- 6 monthly stability monitoring report received - Undertaken pest plant control, track drainage work, erosion protection works.
	Te Korowai o Mauao (Planting Plan) Update	A working group has been established to achieve Te Korowai o Mauao. First meeting to occur on 25 September 2020.
	Chairperson's Report	Mauao Trustees and Heritage NZ had both advised the Chairperson that the temporary base steps needed to be removed because archaeological importance outweighed all other considerations.
	Mauao Trust Update	Mauao Trust keen to expedite Te Korowai o Mauao (Planting Plan). Trust received Port of Tauranga request to install camera behind water tank to monitor middle harbour and shipping traffic. Council staff had provided feedback to Trust's draft Strategic Plan.
	Te Mahere Whakamahinga o Mauao: Mauao Implementation Plan Annual Review – minor further amendments	Seeking approval to some additional minor amendments to plan. Resolution to approve further minor amendments.
	Long Term Plan Update	Update on the process and relationship to the Implementation Plan, and offer of staff resource to Mauao Trust to support them making a submission to the LTP.
	Caring for Communities Funding (CFC) - Update	The theme of the proposal to the CFC was Mauao-centric, highlighting a number of key projects or plans. Central government had requested additional information on the Implementation Plan, specifically around socio-cultural and grass-roots benefits. CFC funding was not guaranteed however, Council was doing its best to be a successful applicant.
	Placemaking and Interpretation Project – Update	A working group comprising of Mauao Trust representatives, Tauranga City Council elected member representatives and staff, and key stakeholders such as Heritage New Zealand, have worked to develop the designs and consultant § 7(2)(a) - Privacy has been contracted to provide design work. The branding for Mauao has been finalised. The branding has informed the re-design of existing publications and management documents for Mauao. Placemaking and interpretation component of the project involves replacing existing wayfinding and informative signage, determining sites for telling stories of significance in terms of culture, history and ecology, and interpreting these through a variety of signage,

		seating, planting, sculptures, carvings and other structures, as appropriate at each site. The design work has resumed during the 2020/2021 financial year and is due for completion, subject to a final workshop and feedback phase. Cost estimates to deliver the Placemaking and Interpretation Project are included for consideration in the Tauranga City Council Draft Long Term Plan 2021-2031 however, final inclusion is subject to prioritisation and funding availability.
	Te Korowai o Mauao (Restoration and Planting Plan) Update	The Korowai: Restoration and Planting Plan was workshopped on 25 September 2020 and a working group was going through the extensive feedback received from the workshop. The next phase was to seek further feedback from Heritage NZ, other archaeologists, the working group and Mauao Trust.
	Operational Report	Highlights: - Te Tihi o Mauao (the Summit) and Te Ara Tūtanga (Base Track) visitors number increased in last 2 months. - Talks had begun with People, Plants, Schools program (PiPS) around sourcing seeds from Mauao to be grown by local Kura. - Successful pest control.
7 April 2021	Mauao Trust Update	No Mauao Trust meetings yet held in 2021 Discussion around processes for Trust and Ngā Poutiriao ō Mauao representatives.
	Long Term Plan Update	Update on timing and opportunity for Mauao Trust to make a submission. Mauao Implementation Plan was strongly supported because it was low impact on budget yet high impact in value for the community and region, and therefore needed to be prioritised accordingly.
	Ngā Poutiriao ō Mauao	Seeking approval to changes to TCC representation to Ngā Poutiriao ō Mauao. Resolution to support proposed changes.
	Decision-Making Process Regarding Activities on Mauao	Process was needed to ensure decision making was made in accordance with the Mauao Historic Reserve Management Plan and MOU. May require delegations to be established. Resolution to review the decision-making process and identify issues and options to be brought to Ngā Poutiriao ō Mauao for consideration.
	Mauao Implementation Plan: Project Updates	Provided updates on: - Archaeological Research project - Te Korowai o Mauao (Restoration and Planting Pan) - Placemaking and Interpretation

		- Mauao Resting Period Establishment
	Operational Report	Highlights: - COVID-19 lockdowns had a positive effect on the maunga due to a lack of human activities. - The six monthly rock stability nearly finalised. - Rock climbing bolts and attachments were being removed and work was ongoing. - The Motu Kauri Track (4WD track) had been completely renewed from Te Tihi o Mauao (the Summit) down to the bush line. - MoU being drafted with Toi Ohomai for ongoing research projects on Mauao using volunteers; intellectual property would remain with Mauao Trust and Ngā Poutiriao ō Mauao. - Rural Fire Officer was updating the Mauao Fire Response Plan. - Update on the concept for the restoration of Waipatukakahu and removal of four exotic oaks which are currently there.
2 June 2021 – Joint Meeting with Mauao Trust	Mauao Implementation Plan – Update	Provided updates on: - Archaeological Research - Te Korowai o Mauao (Restoration and Planting Pan) - Placemaking and Interpretation - Mauao Resting Period Establishment Agreed action was to workshop the Mauao Implementation Plan Mauao Trust to discuss details before proceeding with individual projects/actions within the plan.
	Mauao Trust Strategic Plan	Mauao Trust presented the revised Mauao Trust Strategic Plan, to update the 2016-21 version. The Chair, on behalf of Ngā Poutiriao ō Mauao, stated that the clarity and direction provided by the Mauao Trust with regards to its aspirations was timely, well received, and welcomed.
	Long Term Pan Update	Consultation and engagement were currently underway. The revised Mauao Trust Strategic Plan fitted well into the LTP process and it was recommended it be included in a Mauao Trust submission to the LTP.
	Marine Facilities Strategy Overview	Currently, a strategy for Council's marine facilities did not exist and decision-making was being done in an ad hoc basis. The aim of the Marine Facilities Strategy was to provide clear direction and decision-making processes regarding marine facilities and their usage. Demand from recreational and commercial activity to access the harbour was growing considerably and, when combined with limited funds, was placing pressure on the existing marine facilities network and

		its maintenance. Action – workshop with Mauao Trust to discuss the strategy further.
	City Events Strategic Plan and Events on Mauao	Currently there was no up-to-date strategy or policy direction for events in the city. Staff sought advice and feedback from Ngā Poutiriao o Mauao and Mauao Trust on a number of issues. Action – workshop with Mauao Trust to discuss the strategic plan.
	Activities on Mauao – Decision Making Process	Follow up to 7 April resolution. Resolution to workshop the issues and options with Ngā Poutiriao o Mauao and Mauao Trust. Report back to Ngā Poutiriao o Mauao on outcomes of workshop.
	Resting of Mauao – Options	Follow up to 7 April resolution. Resolution to workshop the issues and options with Ngā Poutiriao o Mauao and Mauao Trust. Report back to Ngā Poutiriao o Mauao on outcomes of workshop.
	Operational Report	Highlights: - Planting areas for a native grass trial prepared. - Temporary stairs to form a circuit of the base of Mauao have been removed. - Toi Ohomai research commenced, looking rat and stoat numbers. - Signage with new Mauao branding installed.

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 o 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 o 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 o Mauao has supported achievement of goals
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).

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.

Te Ara Tūtanga (Base Track) 2017 slip repairs

10. In April 2017, Te Ara Tūtanga (Base Track) of Mauao was damaged during ex-Cyclone Debbie. Public access was closed to the damaged portion of the track and a temporary access and stairs was installed to complete the circuit.
11. Te Ara Tūtanga remediation project was initiated by Council to enable unconstrained public access around Mauao. The repair of Te Ara Tūtanga (Base Track) was completed in February 2020, which has re-instated universal access around Mauao.
12. The future of the temporary access and stairs was discussed at the 7 October 2020 meeting, and Ngā Poutiriao ō Mauao delegated the Chair to engage with Mauao Trust and Heritage NZ to discuss options.
13. The Chair reported on 2 December 2020 that engagement with Mauao Trustees and Heritage NZ concluded that the temporary base steps needed to be removed because archaeological importance outweighed any other considerations.
14. The steps have been successfully removed and the area reinstated.
15. Further repair was completed recently. This was required due to a Pohutukawa becoming undermined, creating the possibility of a secondary slip. To support this tree and add resilience to the bank, soil nails and metal netting similar to the original repair have been installed around this Pohutukawa.

Te Kaiwhakatere (TrailRider) project

16. Te Kaiwhakatere (TrailRider), which has been in development since last year with the full support of Mauao Trust and Ngā Poutiriao ō Mauao, is an adaptive outdoor wheelchair using support from two to four people, which allows people with mobility impairments to use Te Ara Tūtanga and access Te Tihi o Mauao via Motu Kauri Track (4WD track).
17. Te Kaiwhakatere passed the safety field test and was given its name during its release ceremony.
18. Te Kaiwhakatere is now available to book for free on Council's website, available to pick up from the campsite office at the base of Mauao.
19. Council received a highly commended citation for the Trail Rider project at the LGFA Taituarā (formerly SOLGM) Excellence Awards in Wellington earlier this year.

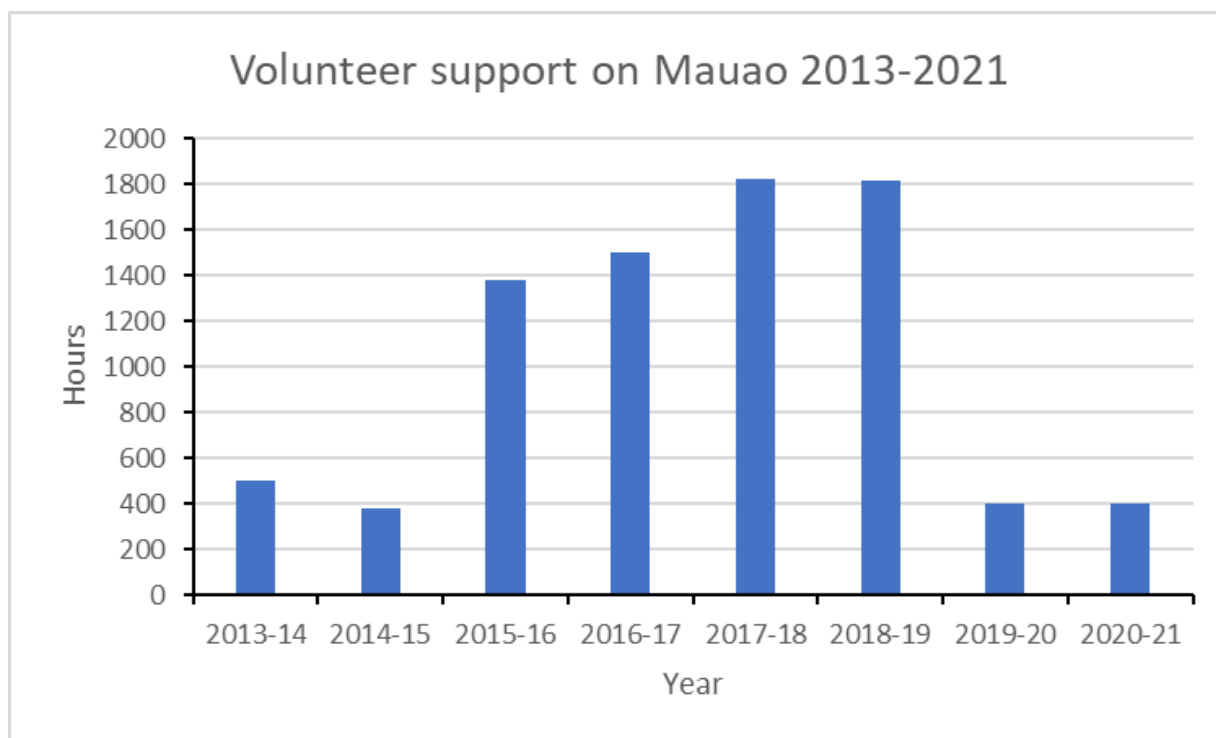
Arataki Trails App

20. The Arataki Trails App is a proximity activated storytelling platform that allows visitors to listen, via their mobile phones, to an authentic storytelling tour on Mauao.
21. Approved Arataki Trails App signage was installed at the entrances to Mauao and along tracks, promoting the tour with a code to access the app.

Volunteer support

22. Volunteer support on Mauao was negatively affected throughout this year by Covid-19, which removed volunteer input around planting which is normally a focus area. Animal pest control, and rubbish removal have been the main areas to restart post covid-19.
23. A new school volunteer program "People, Plants, Schools" (PiPS) was endorsed by Ngā Poutiriao ō Mauao. This program aims to have local schools collect seed from Mauao, grow plants from seed, and then have the children plant these back on Mauao. After this endorsement, PiPS had a successful seed collection day and are currently growing on these plants.

Figure 1 below shows the volunteer hour trends over the past 8 years.



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

Funding decisions through the 2021-31 Long Term Plan

24. 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

25. Further information is provided on specific projects below.

Archaeological research (Project F1)

26. Implementation Plan Project F1 – Undertake Archaeological Research – requires archaeological research to be undertaken to understand whether there are buried archaeological features present within the grassed slopes of Mauao, to inform the Placemaking and Interpretation Plan, and the Te Korowai o Mauao Plan.
27. During 2021/22, the following work has been completed to progress this project:
- (a) In June 2020, Insitu Heritage prepared a report investigating and mapping European built stone walls in the south of the Reserve.
 - (b) The Draft Mauao Historic Reserve Archaeological Research Strategy has been prepared by In Situ Heritage Ltd and was included in the agenda of the 7 April 2021 Ngā Poutiriao ō Mauao hui. The strategy proposes a methodology to investigate the former settlement pattern and lifestyle of the ancestors who resided at Mauao, and would identify and map unrecorded cultural and historic resources. Feedback from Ngā Poutiriao ō Mauao, Mauao Trust, Heritage New Zealand and the TCC Mauao Operations Group has been provided to In Situ Heritage Ltd, and the strategy is currently being amended.
28. Funding has been obtained through the 2021-31 LTP to undertake the research .

Placemaking and interpretation (Project F2)

29. Law Creative has continued to provide design services for the Placemaking and Interpretation Project throughout the 2021/21 financial year.
30. There are various components to the project from investigation and design to implementation, including branding, reproducing publications, brochure, design guide, wayfinding signage and placemaking.
31. 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. It was presented to Ngā Poutiriao ō Mauao and Mauao Trust at the

joint meeting of 2 June. At that meeting, it was agreed to host a workshop with Mauao Trust to discuss the details of the design guide to provide the Mauao Trust the opportunity to make final amendments before formal approval.

32. A Wananga was held on 28 July 2021, at which the Mauao Trust requested minor amendments to the Design Guide, and provided their support to its implementation.
33. Funding for implementation has been successfully obtained through the 2021-31 LTP, and implementation will commence this year.

Removal of the trig station from Te Tihi o Mauao

34. During Matariki celebrations this year, the trig station on Te Tihi o Mauao was removed. This has been a long held aspiration for the Mauao Trust.
35. In its place a mauri stone will be buried, which will become a feature of the sculpture that will eventually be located at Te Tihi.

Korowai: Restoration and Planting Plan (Project F3)

36. The Korowai: Restoration and Planting Plan project was initiated in 2020 by the establishment of a small working group. A workshop in September 2020 started gathering ideas for the plan.
37. A small area was identified in the workshop to trial grass species for the purpose of planting low native species, which will preserve archaeological features without grazing. This area has been reviewed by an experienced archaeologist and Heritage NZ, and is considered an appropriate area to conduct the trial. It has been advised to add larger tree species to this trial area also.
38. The results from the Archaeological Research Strategy will be used to determine the locations and species appropriate for planting.
39. Planting plans have been established and implemented in past years, and are ongoing following specialist advice from a number of disciplines, enabled under an archaeological authority due to expire in 2022.

Pest control plan (Project S2)

40. An integrated animal pest control programme continues to be successful on Mauao using a combination of volunteer support, staff and contractor involvement.
41. The priority over the past few years has been the rabbit population. Tactics have been very successful and the remnant population on Mauao was very low in 2019. These same tactics were continued, burrow fumigation and night shooting, but after seeing evidence of a larger than expected population, a change to night shooting was made. Normally shooting would take place one night every 4-6 weeks which saw an average of 10 out of 20 rabbits controlled. This was changed to four consecutive nights, and although more expensive, 140 out of 225 rabbits were successfully controlled. **Figure 2** below shows annual rabbit population estimates on Mauao.
42. The pest animal control relating to the protection of forest species was improved in the form of six permanent monitoring lines being installed on Mauao. These lines will allow the collection of data relating to the density of rats and mice. This type of data will show whether our control methods are working or allow for new methods to be tested. Furthermore, it is hoped that this asset will also be used to monitor lizard presence/absence.
43. A review of this programme through the planned preparation of a Pest Control Plan will be undertaken to ensure pest control methods used on Mauao continue to be the most appropriate for the environment.

Mauao Rabbit Population Monitoring report 2015-2021

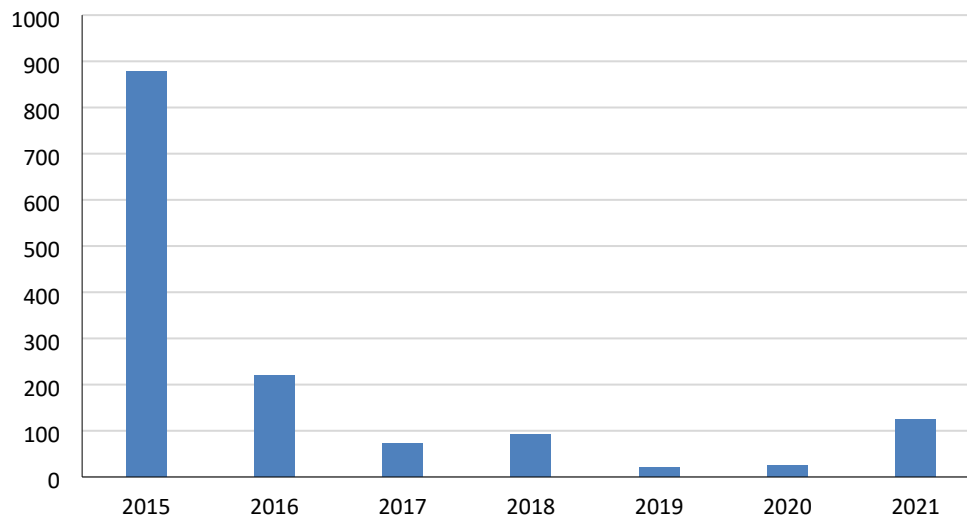


Figure 2: Annual rabbit population estimates on Mauao.

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

44. From July 2020 to June 2021, 640,832 visitors hiked to Te Tihi o Mauao (the Summit), and 550,73 visitors used the Te Ara Tūtanga (Base Track), totalling 1,191,563 visits.
45. The following figures show the monthly and annual trends over the past five years. Surprisingly, despite Mauao being closed for periods during 2020, visitor numbers to Te Ara Tūtanga (Base Track) are comparable to those in 2018 and 2019, indicating that when Mauao was open, more people than “normal” visited. This occurrence, however, is not replicated for visitors to Te Tihi o Mauao (the Summit), who were fewer in 2020 than the previous four years.

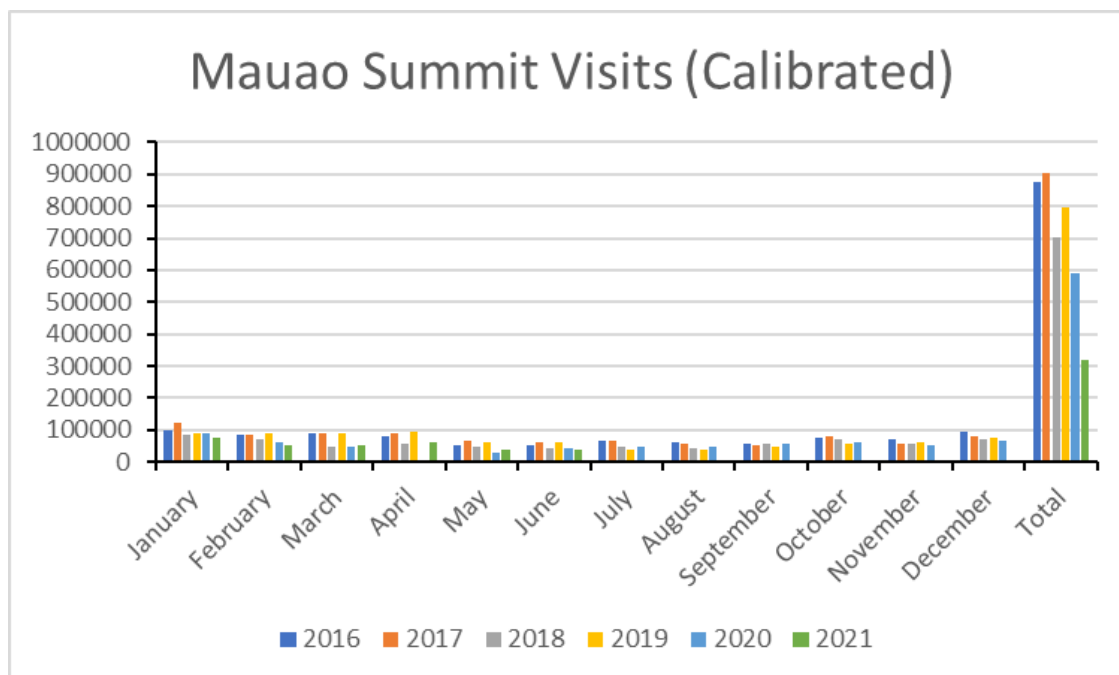


Figure 3: Monthly Records of Te Tihi o Mauao (the Summit) visitor numbers, 2016 to 2021

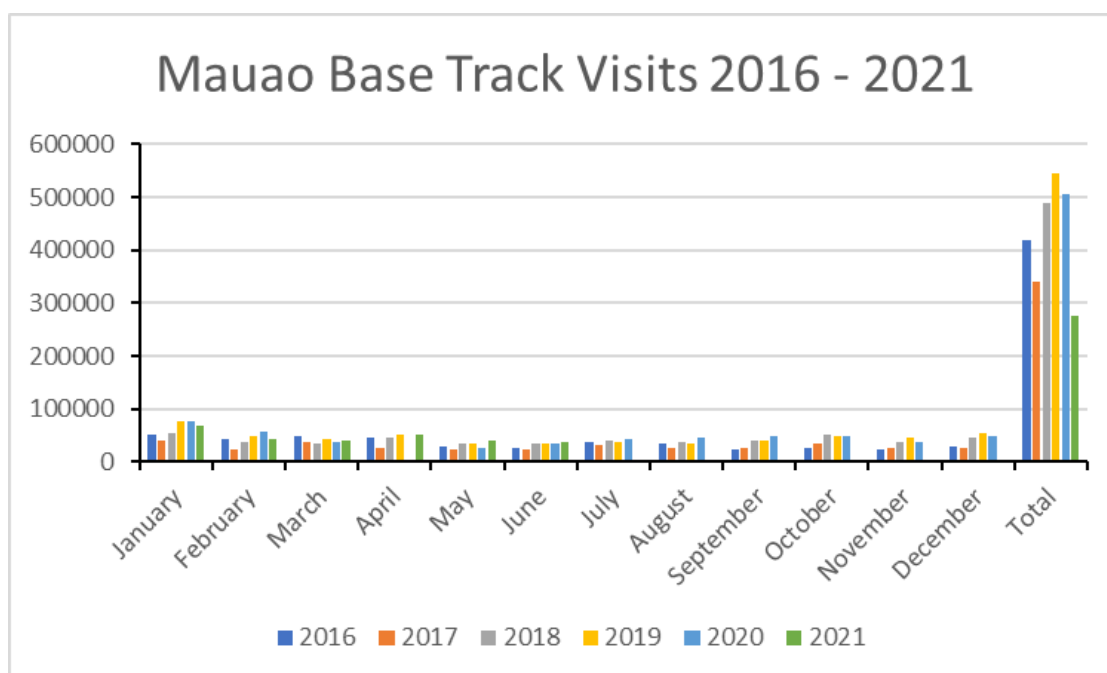


Figure 4: Monthly Records of Te Ara Tūtanga (Base Track) visitor numbers, 2016 to 2021

Implementation Plan annual review

46. Te Mahere Whakamahinga o Mauao: The Mauao Implementation Plan is required to be reviewed and reported on annually under the MOU.
47. The plan was most recently reviewed in October 2020 in time to inform funding decisions in the 2021-31 LTP.
48. The annual review consists of amendments to Section 3 Te Mahere Whakamahinga – the Implementation Plan in Detail, as that section details each project and action, and identifies cost estimates, funding sources, timing, and organisations to lead and support.

MAUAO EVENTS SUMMARY

49. The table below shows the calendar of events for the 2020/21 year. There were 14 organised events and three filming events that involved Mauao.

Start date	Description	Type
29/08/20	Hawaiian Airlines & Helloworld Mount Maunganui Half Marathon 2020	Event
01/11/20	Tauranga City to Surf Fun Run/Walk 2020	Event
08/11/20	TINMAN 2020	Event
28/11/20	Mount Maunganui Half Marathon 2020	Event
26/12/20	King and Queen of the Mount 2020	Event
23/01/21	Mount Festival of Multisport	Event
14/02/21	New Zealand Home Loans XRACE Tauranga 2021	Event
21/02/21	Generation Homes Women's Triathlon 2021	Event
06/03/21	Foundation Clinic Half Marathon 2021	Event
14/03/21	Marra Sprint Triathlon 2021	Event
27/03/21	Superhero Walk for Waipuna Hospice 2021	Event
01/04/21	Taiao' Documentary (Filming)	Film
02/04/21	Bay Patrol (Filming)	Film

03/04/21	New Zealand Ocean Swim Series - Sand to Surf 2021	Event
07/04/21	Sure to Make You Smile (Tourism BOP Film Shoot)	Film
06/06/21	Mount Runners and Walkers Half Marathon 2021	Event
11/06/21	Ultimate Athlete NZ	Event

OPERATIONAL SUMMARY

50. 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 \$505,552. The budget was used to deliver the following core maintenance responsibilities on Mauao.
51. **Track maintenance** – The maintenance and management of approximately 15km of tracks to the desired level of service for the year-round use of Mauao. The maintenance of the track network directly contributes to the protection of the heritage values on Mauao by ensuring that suitable access is provided without damage to significant heritage features. Mauao is one of the busiest destinations in the Bay of Plenty with more than one million visits a year.
52. **Surface and step renewals** – This year's surface renewals saw the Waikorire track upgraded including the widening of multiple sets of stairs. The Motu Kauri Track (4WD track) has been completely renewed from Te Tihi o Mauao (the Summit) down to the bush line. The 4x4 access section leading to the Waikorire and Oruahine track, which was in a degraded condition, has been resurfaced with a focus on improved water management. Finally, the steep goat track that links Te Ara Tūtanga (Base Track) to the Oruahine track has had new stairs added for improved safety.
53. In addition to the larger track works, improvements to Te Ara Tūtanga (Base Track) included resurfacing sections and placing rocks at strategic places on the outside of the track. These rocks defuse the wave action and helps to reduce track erosion.
54. A health and safety assessment of the walkways was also completed at the end of the year. The subsequent report will highlight dangerous areas and make practical suggestions for potential controls.
55. **Restoration planting** – Revegetation planting to restore Te Korowai o Mauao continued this period with 175 Karaka that were originally sourced from Mauao being infill planted into existing sites. Furthermore, approximately 10,000 plants were ordered and ready to plant into approximately 12,000m². Unfortunately, due to delays these plants will be planted early next year instead of the end of this year.
56. **Slips site planting** – Wiwi has shown to be the more successful species with regards to slip sites. For this reason, infill planting of Wiwi into slips will be ongoing. 800 of these plants have been ordered and are expected to be planted at the beginning of next year.
57. **Heritage feature protection** – Due to the success and recovery seen in 2020 from the exclusion of stock from an eroding stratified shell mound feature, the temporary fence around the mound was taken down, and placed around an eroding midden above the large slip on Te Paeopara pā.
58. The temporary stairs on Te Ara Tūtanga (Base Track) were successfully removed and hydroseeded. Both [§ 7(2)(a) - Privacy] from Insitu Heritage and [§ 7(2)(a) - Privacy] from Heritage NZ have complemented this work.
59. **Fencing improvements and grazing reduction** – This year the new planting area has been fenced, which has brought the bush line down and reduced the grazing area by approximately 12,000m².
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 plants dealt with on Mauao include wilding pines, Buckthorn, Bone-seed, Climbing Asparagus, gorse, Japanese honeysuckle, Privet, Moth plant, and Pampas. Due to the extensive pampas issue, this year an aerial pampas operation was successfully completed and will be followed up.
62. **Pasture management** – Management of 22 hectares of grazing to protect archaeological features and maintain open space areas on the reserve. This includes the management of a healthy 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 the site prep for this took place at the end of the year. These grasses are expected to be planted in the first quarter of 2022.
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 contractors – 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** – Although reports of Myrtle Rust were made by the public this year, upon investigation these reports were false. Scion, the Forest research institute who offered to test some suspected samples, did inform s 6 - Maintenance of law that Myrtle Rust is increasing in the BOP region and to be vigilant in the summer of 2021.
65. **User Safety** – Two defibrillators, donated by Exceed Ltd, were installed on Mauao. One on Te Ara Tūtanga (Base Track) and one at the junction to the Te Tihi o Mauao (the Summit).
66. **Rock Climbing routes** – After the decision of Nga Poutiriao o Mauao to not permit sport rock climbing on Mauao, contractors were engaged to removed/disable the sport climbing routes. This was largely successful with a small amount still needing to be removed in the following year.
67. **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 faced petrels), and the presence of native species.
68. **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 2021/2022

69. Further meetings scheduled for 2021 are on 22 September and 1 December. The 1 December meeting will be a joint meeting of the Mauao Trust and Ngā Poutiriao ō Mauao.
70. Meetings for 2022 have not yet been scheduled.

ATTACHMENTS

Nil