





We became a Jobs for Nature funding recipient



We expanded as an organisation to 25 staff



We upgraded and maintained New Zealand 133 km tracks first with the

purchase of **Biodiversity** 

Units



Awarded a Gold Qualmark Sustainable Tourism **Business** Award



We responded Successfully and secured them within 90 minutes



to 19 breaches transferred our two takahē chicks Waitii and Waitaa to Burwood Takahē Breedina

Centre



76 Western Brown kiwi Operation Nest Egg chicks were released onto the main mountain



Secured the funding to start the modification of the fence for kākāpō arrival



native plants



Planted 642



50 tītipounamu including twenty un-banded juveniles were found, revealing that tītipounamu bred well in their first six months from release



More than

37 previously

undetected

species of

fungi were

recorded

by forest

pathologist

and fungal

enthusiast Dr Ian Hood

Over \$100,000 was raised from our inaugural Mauri of the Maunga Gala Dinner and Auction



Our Education Centre building broke ground and is underway



The past year has been a solid year, illuminated by moments of team inspiration, community collaboration, operational excellence, and organisational innovation.

Indeed, this has been a year of growth, with a new operating structure providing one new team leader position, four new Ranger positions, funded through Jobs for Nature, and the appointment of our Sanctuary Manager. This new structure has provided much-needed capacity and capability in our core delivery areas of Biosecurity and Asset Maintenance.

Our new operating ecosystem was also further bolstered by the second influx of four Cadet Rangers. This initiative, originally launched in 2020, has brought many benefits including job creation, employee succession, increased operating capacity and an overall increase in team resilience and safety. This initiative was made possible by our partners Te Puni Kōkiri, Toi Ohomai and the Ministry of Social Development.

The long tail of COVID has still created a degree of operating volatility and uncertainty. This was reflected in this year's visitor numbers and visitor revenue, which were reduced by 41.4% and 32% respectively compared to the previous year and 51% and 58% respectively compared to pre-COVID trading.

Despite these challenges, our organisation remains robust thanks to our community and the many individuals, partners, and groups who have contributed and continue to contribute to our success.

Operational excellence was acknowledged by our community, with Sanctuary Mountain® Maungatautari being the recipient of the Waikato Chamber of Commerce Social & Environmental Sustainability Business Award, New Zealand Tourism Community Engagement Award and achieving Qualmark Gold Standard. Winning these awards is the culmination of many people's contributions over many years.

The year concluded strongly with the Mauri of the Maunga Gala Dinner. The evening was amazing on many levels by bringing our community together; securing the final funds required to begin the 47km kākāpō fence modification; and critically, the Kākāpō Recovery Programme. Over 390 people gathered, raising over \$100,000 to bring the treasured kākāpō to Maungatautari. It was incredibly humbling to see so many people come together to support our fundraising efforts.

Along with The Department of Conservation's Kākāpō Recovery Group Team and mana whenua Ngāti Koroki Kahukura, Sanctuary Mountain® is working closely with Ngāti Tahu to achieve the vision of restoring the mauri of the kākāpō. The plan is to transfer up to ten kākāpō in early 2023. The Gala dinner concluded with the announcement that Profile Group Ltd, has committed to becoming the Sanctuary Mountain® Maungatautari Education Centre naming rights partner for the next three years. This Partnership has also enabled an Aotearoa New Zealand first, with the issue and purchase of Biodiversity Units between Sanctuary Mountain® Maungatautari (the seller) and Profile Group Limited (the buyer). This will now enable Sanctuary Mountain® to raise

funds for conservation management from the sale of biodiversity units. This transaction was made possible by Ekos Kamahi Ltd, an environmental financing business specialising in nature-based solutions using the domestic and international carbon markets and now the biodiversity markets.

In a world where change is the only constant, we are proud to report that Sanctuary Mountain® continues to gain momentum by nurturing an organisational culture where change, diversity and continuous improvement are embraced. In partnership, Sanctuary Mountain®'s collective impact continues to grow and contribute to a Waikato Region where:

- Maungatautari Maunga is a sacred source of spiritual pride and prestige for Waikato Māori and the wider Waikato communities.
- Endangered native fauna, waterways and flora are thriving,
  Forest recreational activities enhance the physical, mental,
  and spiritual wellbeing of children, adults, and older adults in
  our Region.
- Mana whenua actively connect with and use their land for social, cultural, and economic wellbeing.
- Jobs are created & Education and Tourism contribute to the Waikato economy by telling our ecological and cultural story.
- Our tamariki understand the importance of their role as future kaitiaki.



Ngā mihi Phil Lyons , Chief Executive Officer

"Sanctuary Mountain® Maungatautari is leading and shaping an organisation that is moving to a more sustainable commercial position while also generating significant community and environmental outcomes".

- Waikato Chamber of Commerce judges





"We are proud that our project's collective community of stakeholders funders, volunteers, staff, landowners and mana whenua are – acting now".

We are pleased to report on another year of very solid achievements.

Sanctuary Mountain® Maungatautari continues to be a project that exhibits authentic well-beings' action for our world. The maunga is a place of real optimism where we are reminded succinctly by Sir David Attenborough, a champion of sustainability for all life on our planet that "The natural world is fading, the evidence is all around, it's happened in my lifetime, I've seen it with my own eyes. If we act now, we can put it right!"

Our team under the leadership of Chief Executive Officer, Phil Lyons has delivered transformative growth for our project, despite the continuing COVID-19 obstacles and global challenges. The Board cannot understate that this is only made possible because of the collaboration and commitment, the belief and support of our community coupled with operational excellence. The determined mahi of our team of inspired kaitiaki underpins these achievements.

The hallmarks of achievements this year are, our reputation and robust financial position; our education centre facility, this valuable community asset to be completed by the end of this calendar year, and the plans in-train for us to receive up to ten kākāpō in the first quarter of 2023.

We were delighted and humbled by the huge community support for our Mauri of the Maunga Gala Dinner held in June 2022. The full house of over 390 people illustrated the community pride for our project and the wide-ranging support to bring kākāpō to our project in collaboration with the Department of Conservation's Kākāpō Recovery Group Team, Ngāi Tahu and Ngāti Koroki Kahukura to play the role we can, in lifting kākāpō from their critically endangered status.

It is important that we mark the departure of our wonderful Chief Executive Officer, Phil Lyons, by recognising his huge contribution to our project. Phil's leadership has made a substantial contribution to a very productive period for our project in all respects, with our delivery lifted in all areas of our complex business – from growing our staff, improving financial resilience and shaping our organisational culture to sustaining our key relationships. Phil's efforts, energy, commitment, and rapport with a wide range of people within our key partner and stakeholder organisations and the wider community have lifted our mana. He has navigated through some unprecedented and challenging times, while still finding opportunities, keeping our team safe and making positive gains to grow the sustainability of our project over his tenure. Phil, we think you should be rightly proud of all you have achieved during your time leading our organisation – we certainly are!

Finally, we offer a huge thank you to all our supporters. You continue to inspire us and give us the courage to deliver what we do for all New Zealanders. Your support remains critical to our ability to achieve what we do. You have helped to create the foundation which underpins our ability to improve the sustainability of New Zealand's unique biodiversity and grow diverse deliveries from our enterprise for the benefit of all.

In closing, we thank our fellow board members for your contributions, skills, courage and support. We look forward to another productive year working together as inspired kaitiaki of our unique sanctuary.

Ngā manaakitanga

Pato Davers Den Scarlet.

Poto Davies Co-Chair MEIT Don Scarlet
Co-Chair MEIT



#### INSPIRED GUARDIAN

KAITIAKI WHAKAMIIHARO

ADVOCATE OF THE MOUNTAIN

HEI KANOHI MAUNGA

WHO IS A CARING TEAM PLAYER

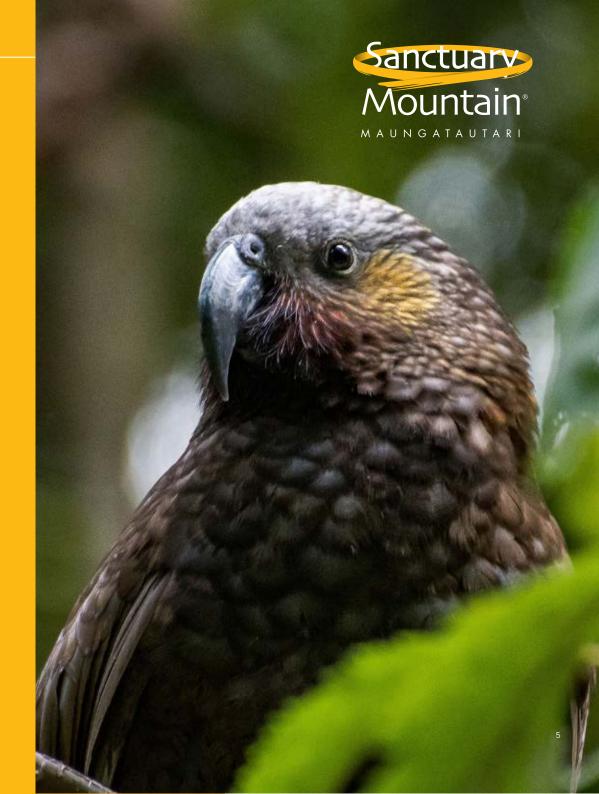
HEI RINGA WHAAOMOOMO, HE RINGA RANGITAAMIRO

ADAPTABLE, ENCOURAGING DIVERSITY

KIA TAUTOKO NGAA URUTAUNGA, KIA HAPAHAAPAI TE MIRO-RANGARANGA ME TE AKONGA-KUMEROA

AND LIFFLONG LEARNER

TIIHEI MAURIORA





Sanctuary Mountain® Maungatautari is widely recognised as a world class conservation project.

#### By 2026 we will have:

- Improved our ability to keep the fenced reserve essentially free of pest mammals.
- Re-established breeding populations of native species historically present.
- · Consistently monitored changes and facilitated research to improve our understanding of the maunga.
- Shared the 'lessons from the maunga' so others may benefit from our experiences.
- · Contributed to the 'halo' of inter-connected habitat across the Waikato landscape.
- · Maintained a motivated and diversely skilled group of volunteers.



Maungatautari is an internationally recognised eco-tourism destination.

#### By 2026 we will have:

- · Developed a set of guided and interpreted tours that evocatively weave the ancient story of Maungatautari.
- Encouraged and supported our hosts and guides in telling Maungatautari stories to consistently high standards so that they will be enjoyed and remembered long after visitors have departed.
- Facilitated and contributed to a Sanctuary Mountain® Maungatautari education programme to bring about an awareness in conservation and ecological restoration.
- · Encouraged and facilitated regular visitation by local residents, ensuring their continued engagement in, and support for our project.
- · Created necessary infrastructure and maintained it at a very high standard enabling visitors to get the best possible experiences, be safe, and leave having been entertained and well informed.
- Promoted Sanctuary Mountain<sup>®</sup> Maungatautari as a premier destination in the itineraries of in-bound tourism operators.



Productive partnerships are a feature of our success.

#### By 2026 we will have:

- Consolidated Sanctuary Mountain<sup>®</sup> Maungatautari as a model of effective co-governance in which kawa and tikanga of mana whenua is reflected in all that we do.
- Maintained strong relationships with our neighbouring landowners, based on mutual understandings of shared interests.
- · Nurtured skills and confidence of our volunteers as conservation professionals, recognising they are the lifeblood of our organisation and underpin the on-going success of Sanctuary Mountain® Maungatautari.
- Continued to encourage and facilitate inputs and support from our partners, ensuring that their interests are appropriately reflected in our directions and activities. Our family of partners and donors will have grown, reflecting recognition of the opportunities provided by Sanctuary Mountain® Maungatautari, and the perceived value in partnering.



Sound financial management by the Trust and continued donor support, underpins increasing economic viability of the Sanctuary Mountain® Maungatautari project.

#### By 2026 we will have:

- · Improved the financial viability of the project through continuing to meet the requirements of our current donors and encouraging further organisations to join our family of donors, contributing to our strategic goals.
- · Grown the diversity of our revenue streams to support our sustainable, viable enterprise.
- Secured additional funds for key capital investments and maintenance, visitor facility development, education facility development, upgrading of tracks and other vital infrastructure.
- Consistently applied appropriate business practices and demonstrated transparency and accountability to our partners and stakeholders.

# WORLD ONSERV

Sanctuary Mountain®
Maungatautari is an
outstanding example of
restoration and one of the
most biodiverse forest areas
on mainland New Zealand.
Indeed, the sheer quality and
scale (3,363 hectares) of the
protected area and habitat,
significantly increases the
viability for rare populations
of fauna and flora to become
self-sustaining.





# HIHI/STITCHBIRD (Notiomystis cincta)



Maungatautari's hihi population seems to thrive in the damp corridors of mountain streams and valleys. Another common place to find hihi is in the Te Tūī a Tāne southern enclosure or along the Waiere Traverse track where we have six hihi feeding stations that are regularly visited by birds, especially throughout the breeding season. Observing leg band combinations is tricky in the field, with most data captured by trail cameras and by the skilled annual hihi surveyors who complete the mark and recapture surveys most years. For the past two years a Hihi Conservation Officer has been employed by the Hihi Conservation Trust (via the DOC Community Fund) to undertake survey efforts at most hihi sites, which has saved Sanctuary Mountain® significant funds ordinarily required to employ a hihi contractor. The latest surveys have shown that the trend for the hihi

population at Sanctuary Mountain® is stable but not increasing in recent years. It is not known what limits the hihi from population growth at Maungatautari, but possible contributing factors include food availability, habitat conditions and susceptibility to disease. The Hihi Conservation Officer also trained up some new Sanctuary Mountain® volunteers for hihi monitoring in 2021, but COVID-19 lockdowns thwarted plans yet again, meaning a postponement to late 2022.

Hihi are one of few species that are actively managed at Maungatautari through the provision of sugar water – one of our most popular volunteer jobs. Although seven new feedings stations were installed in the previous year, one station was destroyed by treefall and an additional is still required, so fund-raising is planned for the purchase of two more. In exciting news, the northernmost feeder at Mangahoi on the quad track had the first camera observation of hihi visitation after several years of feeding at this station. What a mammoth effort by the volunteers to keep this station going and finally a good result that will hopefully benefit many hihi in years to come.



# HOCHSTETTER'S FROGS (Leiopelma hochstetteri)



The triennial Hochstetter's frog survey is undertaken by EcoQuest with support from Sanctuary Mountain® staff, volunteers and Department of Conservation staff to complete this important mahi. The surveys revealed a rapid increase in frog numbers in the surveyed areas after they were first discovered in 2004. In particular, there was a four-fold increase in Hochstetter's frog numbers following the installation of the pest-proof fence, followed by a stabilisation in numbers over the past few

surveys. Last financial year the first half of the two-part survey was completed in April 2021 with 75 frogs detected, unfortunately the second half was cancelled due to COVID-19 lockdowns. In 2022, EcoQuest elected to repeat the whole survey, to ensure that meaningful comparisons could be made between data from the first and second halves of the survey across years. In May 2022 the first half was completed, with 66 Hochstetter's frogs detected, and the second half of this survey is due for completion in November, 2022. It has been great learning the survey methodology and observing these cryptic species in their natural environment. Having lasted through many decades of introduced predators and grazing animals on the maunga, these frogs are true survivors and important to the overall biodiversity at Sanctuary Mountain®.





# TITIPOUNAMU/RIFLEMAN (Acanthisitta chloris granti)



Eighty tītipounamu (rifleman) were released to Sanctuary Mountain® Maungatautari in May and June 2021, with the initial pre-breeding survey cancelled due to COVID-19 lockdown conditions. Fortunately, we hosted a student intern from Otago University in the summer of 2021/2022 who studied the locations, numbers and dispersal of translocated birds. Fifty birds including twenty un-banded juveniles were detected, which was a great result, and revealed that tītipounamu were

breeding well in their first six months from release, with many tītipounamu having limited dispersal distances of less than 500m. A post-breeding survey conducted in March 2022 revealed a minimum of 13 pairs and four family groups as well as many individuals. This included 11 un-banded juveniles. A prebreeding survey is due in late 2022 to gather further data on the survival, breeding pairs and locations of birds after the first year of introduction. With an abundant forest for this tiny insectivorous bird, many natural nesting spots and the absence of predators, there is no reason that the tītipounamu population should not thrive here at Maungatautari. The birds were released at two main sites and some of them have not moved far at all! You are likely to see or hear them around the tower platform and near the event centre in the southern enclosure.





# NORTH ISLAND BROWN KIWI (Western taxa)



The last financial year saw Sanctuary Mountain® Maungatautari complete its fourth year of kōhanga kiwi releases where another 76 early Operation Nest Egg (O.N.E.) kiwi chicks were released onto the main mountain. This brings our total founding kiwi to 401 since 2006. 316 of those are attributed to the 'Save the Kiwi' kōhanga releases.

Between March and May, we saw five kiwi conservation dogs and their handlers visit
Sanctuary Mountain®. The main task, of these dog teams, was to complete the second mark and recapture survey and to locate and remove 'unknown' kiwi from the southern enclosure, in preparation for future translocations occuring annually from 2023. Eighteen kiwi were located in the southern enclosure, four were chicks that were released directly to the main mountain and the remaining were relocated to the northern enclosure.

The main mountain survey began after the southern enclosure exercise. A total of 80 kiwi were found by the participating teams. The ratio of founders to wild bred kiwi is now one in five. An increase from the one in four kiwi last year. With a greater sample size, we can be confident there are indeed a healthy number of kiwi now roaming Maungatautari. All kiwi over 1200 grams were relocated to the southern enclosure and placed on transmitter. The kiwi we are now monitoring in the northern and southern enclosure will be the first kiwi to be translocated from January to May 2023.

The weather through this years kiwi call survey may have made some kiwi calls inaudible, an issue we did not encounter in 2021. Despite this, we recorded 16.7 calls per hour which was a drop of 0.1 calls per hour from the previous year.

The threat status of the North Island brown kiwi changed this year from 'At risk/declining' to 'Not threatened (Conservation dependant)'.

This is a great milestone for kiwi conservation as all the collective efforts from all other projects, including Sanctuary Mountain®

Maungatautari have helped save the North Island brown kiwi for future generations.

"The second kiwi call survey was completed in late May. We were blessed with dry weathe in between what seems to be the wettest winter we have experienced in some years."

— Craig Montgomerie, Kiwi Ranger



#### KĀKĀPŌ (Strigops habroptilus)



This year has seen a ramping up of preparation for that special green parrot – the kākāpō! We have had several hui's and planning sessions for the modification of the existing fence with a deceptively simple barrier, to prevent kākāpō from climbing over and disappearing into neighbouring farmland. This saw the

quotation and fundraising for over \$705,000 that is needed to undertake this huge project. These precious taonga will require careful and consistent monitoring after release, which also means the team is investigating how we will monitor the birds, over the 3,363 hectares of unforgiving mountain forest. Needless to say, technology will be our friend in this area, and we look forward to sharing further kākāpō updates in the financial year to come.

Along with the Department of Conservation's Kākāpō Recovery Team and mana whenua Ngāti Koroki Kahukura, Sanctuary Mountain® is working closely with Ngāi Tahu to achieve the vision of restoring the mauri of the kākāpō.





# SOUTH ISLAND TAKAHĒ (Porphyrio hochstetteri)



In the 2021-22 financial year, the two takahē pairs located at Sanctuary Mountain® were unable to successfully raise chicks. Two nests were produced by the pair in the Tautari Wetland, with none of the eggs hatching. At the other enclosure, at least one chick

hatched but unfortunately appeared to have been lost in a significant flooding event soon after. The second egg in this nest did not hatch and this pair did not lay a second clutch. Due to hot summer conditions all unhatched eggs became addled and we were not able to determine the cause of the failure to hatch. Meanwhile, the two valuable takahē juveniles (Waitī and Waitā) from last season flourished under their parent's dedicated care. Waitī and Waitā were transferred down to Burwood Takahē Breeding Centre in mid-2022 for the next stage of their contribution to takahē recovery. Fingers crossed for a successful season in 2022!





#### TUATARA (Sphenodon punctatus)



2022 marks ten years since fifty tuatara were translocated to Sanctuary Mountain® from Takapourewa (Stephen's Island). These tuatara are taonga to iwi Ngāti Koata, and the Sanctuary Mountain® team takes their

care very seriously. This year tuatara work has focused on improving the habitat within the tuatarium. As with the rest of the wetland, several trees (particularly karamū, mahoe and mamaku) have self-seeded in the tuatarium reducing light availability, filling ponds with debris and covering tuatara burrows. Removal of some of these trees has focused on creating basking spots for tuatara and freeing up space around ponds, burrows and the walking track. Much of the smaller vegetation has been broken down and left in small piles within the enclosure to improve the recruitment of invertebrates and ensure our tuatara have plenty to eat.





#### **FUNG**



Forest pathologist and fungal enthusiast
Dr lan Hood has been studying fungi at
Maungatautari, as regularly as possible over
the past year and supplied an interim report
in April 2022. Thanks to lan's dedication
and expertise, more than 37 previously

undetected species of basidiomycete and ascomycete have been recorded at Maungatautari with more than 60 species recorded in the first year of lan's research.

In addition, our visitors, staff, and volunteers continue to add their observations to iNaturalist, which are automatically found under our project name "Sanctuary Mountain® Maungatautari" – with 91 individual fungal and lichen observations added, 50 of which are deemed research grade. This citizen science can be used to add to fungal research data and shows the breadth of diversity of organisms at Maungatautari that we are still discovering!





#### WETLAND RESTORATION

Restoration work in the Tautari Wetland continued through this year. The 'Takahē Tucker Team' continued the improvement of grass and feed for the resident South Island takahē, which involved spraying and removal of brown top grass, application of lime, and spreading of new grass seed. Removal of trees within the wetland was also a focus of work, as many karamū, māhoe, and willow, had self-seeded within the enclosure. Removal of these trees will increase light availability for tuatara, increase grassed areas where takahē can feed, and reduce the establishment of more weedy trees.

In June, Fulton Hogan once again provided volunteers to contribute to a wetland working bee. This year, work focused on planting sections of the lake perimeter and blackberry spraying. The aim of these plantings is to improve lake aesthetics, as well as provide shading and habitat for freshwater fish, eels, and rail species such as crakes and takahē. Approximately 200 plants were planted including a stand of kahikatea in the bush block.



#### RESEARCH

Several pieces of informative research have been conducted on the maunga this year. University of Auckland master's student, Oscar Clendon, looked at how tawa fruiting characteristics are related to key climate and soil variables across North Island sites, including Maungatautari. University of Waikato master's student, Margaret Dickinson, continued her research on the effects of rats and possums on large-fruited native tree species, using Maungatautari as a control. Nicolas Sandoval and students from the WINTEC biosecurity and conservation course, continued their study of invertebrate community structures inside and outside of the southern enclosure, and, as mentioned above, Dr lan hood has been studying wood colonising, and other, fungal communities on the mountain. It is a privilege for our team to be able to support such high-quality research and we look forward to what learnings can be made at Maungatautari in the future.



# KEEPING THE SANCTUARY PEST FREE

The integrity of the fence has been tested as much as ever by a high number of fence breaches and resulting pest incursions to detect and remove.

#### Breaches and incursions

This year there have been several fence breaches. Many of these occurred simultaneously during storm events making for some big days and long nights responding to fence alerts, removing treefall from the fence and repairing the resulting damage.

As a result of fence breaches such as these, the biosecurity team has had a higher-than-average number of pest incursions to detect and remove. To keep Sanctuary Mountain® pest-free, these incursions of pests must be promptly detected and removed before being allowed to re-establish a population. This has been successfully done since the original eradication, a record we are proud to have continued this year.

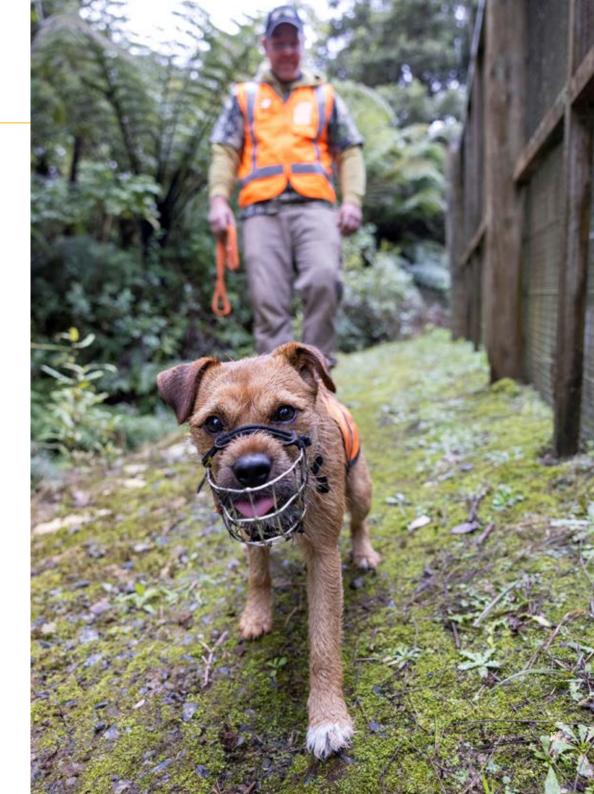
#### Trail cameras/possums

Over this year we began incorporating lured trail cameras into our pest monitoring network. This is a very precise tool for detecting all species of pests. This tool has already proven itself, allowing us to detect and remove several possums which have otherwise evaded us.

#### Pest plants

Maungatautari is a sanctuary not just from pest mammals, but also from pest plants. The ngahere is largely free from invasive plants and the rangers work to keep it that way, tackling isolated infestations of plant threats to the forest ecosystem such as Tradescantia and Selaginella. Rangers are ever vigilant in the field and report any new locations of exotic plants to be monitored or removed.





#### MAINTAINING 47KM OF FENCING



# JOBS | MAHI

Ongoing maintenance and being able to respond 24/7 to any integrity threats with the quick removal of any invader species should a breach occur is what enables Sanctuary Mountain® to keep its pest-free status.

During the year staff attended 129 call-outs, an increase of 86 call-outs from the previous year. 40% of the call-outs were caused by punga fronds and 29% by small branches touching the surveillance wire. Unfortunately, 18 x 4 metre sections of Xcluder® pest-proof fencing was destroyed beyond repair and required full replacement, doubling the number of sections destroyed in the previous financial year.

The annual shelterbelt contractor Waikato Hedge Cutters, visited for five days with two mulching tractors and arborists spent a total of seven days removing trees that were compromising the security of the fence.

#### Track maintenance

Track maintenance is necessary to keep everyone safe while at the maunga. A large part of this maintenance is taken up by maintaining our perimeter track to a standard where, if required, we can access any part of the fence 24/7, 365 days of the year. Track maintenance is planned for and typically starts around October and is completed by late April, weather depending. This year the weather on the maunga was dryer for longer periods which meant Sanctuary Mountain® staff in between other crucial maintenance around the sanctuary, were able to do maintenance on large sections of perimeter tracks, however, this would not have been possible without local companies Andersons Quarry, Beacon Hill Contracting, Saywell Contracting and Puahue Quarry helping source and deliver metal to several key locations around the mountain.

"Punga fronds were the worst offender.

But we also had wētā and stick insects set off the alert, and bird strike

— lames Matthews, Asset and Operations Team Leader

Jobs for Nature helps expand monitoring, surveillance and repairs to the pest-proof fence

Sanctuary Mountain® received a significant government funding boost when it secured Jobs for Nature (Mahi mō te taiao) funding. The programme is part of the COVID-19 recovery package aimed at creating nature-based employment.

The funding enabled Sanctuary Mountain® to employ four rangers who are focused on pest and species management and infrastructure maintenance. Rangers received training in 4WD, quad bike, chainsaw, first aid, fence

and track maintenance, pest monitoring and pest control.

The regular maintenance that the rangers have undertaken on the fence includes replacing base screws and O-rings on the surveillance wire, cleaning the hood of lichen, and replacing pop rivets on the hood. Work also included replacing whole sections of the fence that were damaged due to tree fall and also upgrading fence, particularly around the southern enclosure. The rangers maintained existing tracks to ensure the safety of people who use the tracks for monitoring and species work.







#### ENCOURAGING SUSTAINABILITY



Our commitment to sustainability through our operations and visitor centre continue to be monitored and reported on annually. As we strive to reduce waste and carbon dioxide emissions, we are constantly working to develop more sustainable work practices. During the year we introduced a sustainability induction process for new staff, contractors, and volunteers.

#### Waste minimisation

During the year we had one week's waste audited by an independent company. The findings concluded that we are diverting more waste from landfill into recycling since we started auditing waste in 2019. New initiatives included adding another Hungry bin to compost organic waste at the visitor centre and establishing a recycling station at our Tari Road depot. We also implemented 81% of solutions suggested in the 2021 waste audit.

#### Kev highlights

Contamination
of recycling dowr
from 26% in 2021
to just 1%

500 kg
of mixed metal
was sent for scrap
metal recycling

1.4 litres of waste is produced per person per year (staff and visitors)

#### Reducing our carbon footprin

We estimate that our activities produced 50 tonnes of carbon dioxide emissions annually and 87% of those emissions were from fuel use in our vehicles. To reduce emissions, we trialled an electric LUV this year. Unfortunately, it wasn't suitable due to our steep tracks. We are encouraging the use of more sustainable transport methods and a third of our staff carpool or drive an electric vehicle, whilst 67% live locally.

#### Kev highlights

14.9 kg/ha
 estimated carbor
 dioxide emissions
 per hectare

642 natives planted



Along with contributing and strengthening alignment to the United Nations (UN) Sustainable Development Goals (SDG) framework, Sanctuary Mountain® Maungatautari connects with local communities and visitors from afar, who are equally encouraged to visit, participate, and enjoy the rich natural heritage of this mighty Waikato mountain.





#### **VISITOR SERVICES**

Connecting people with nature is what drives our visitor services team at Sanctuary Mountain® Maungatautari. Our visitor services cover events, workshops, tours and health and wellbeing, providing opportunities for nature engagement and learning.

#### **Self-Guided Visitors and Guided Tours**

The 2021 – 2022 year was again significantly impacted by COVID-19 with national and regional lockdowns. The closure of borders caused another reduction in numbers with a total of 8,461 visitors during the year. 60% of visitors were from the greater Waikato region, 14% from Auckland and 10% from Bay of Plenty, and only 19 overseas visitors.

Guided tours are part of our offering and provide an opportunity for visitors to experience the sanctuary from the perspective of a knowledgeable and experienced guide. During the year we guided over 627 visitors



We also continued our alignment and collaborated with Nature and Nosh, providing them access to the southern enclosure for their bush boardroom tour offering.

#### Inspired Kaitiaki

wellbeing.

We are incredibly grateful for the support of our Inspired Kaitiaki members who contribute regularly to support our ongoing conservation work.



# SOCIAL AND COMMUNITY INITIATIVES



#### Community Matariki open day

Although the weather report promised there would be showers, that didn't discourage the 623 visitors who explored the southern enclosure on our free locals Matariki day. The Manu Tioriori visitor centre was humming with art and craft activities, hot soup and buns and a constant stream of people coming and going. Staff and volunteers were kept extra busy welcoming mums, dads, small children, big children, aunties, uncles, cousins, grandparents, and many others. Many visitors expressed it was the first time they had come to discover what the project was all about. We hope they are inspired to return and enjoy the maunga again soon.

#### Children go free during school holidays

As part of our social initiatives, we invited the school children to visit us free of charge during the school holidays with a paying adult.

#### Reviews and rating

We have maintained our TripAdvisor five-star rating, accumulated from a total of 243 reviews. We also received feedback from visitors through Rezdy (booking system) showing 95.46% are very satisfied to extremely satisfied with their visit. The survey also asks how likely people are to recommend Sanctuary Mountain®

Maungatautari to a friend or colleague. The results form provides us with our Net Promoter Score (NPS). The NPS measures customer experience and can predict business growth. This proven metric transformed the business world and now provides the core measurement for customer experience management programmes worldwide. The score for Sanctuary Mountain® Maungatautari for the calendar year of 2021/2022 is 86. Based on global NPS standards, above 70 is considered world-class.

#### Recognised for our work

We were thrilled to be awarded the Qualmark Gold award. Qualmark is Aotearoa New Zealand's official quality assurance organisation. Qualmark awards are judged by an assessor and four business areas are taken into consideration: economic; social and people; environment and culture; and health, safety and wellness. A Gold Sustainable Tourism Award identifies those businesses leading the way in making the New Zealand tourism industry a world-class sustainable visitor destination.

We were also awarded the New Zealand Tourism Community Engagement Award and the Waikato Chamber of Commerce Social and Environmental Sustainability Business Award.



# HEALTH AND WELLNESS

Sanctuary Mountain® Maungatautari's wellbeing programme is aimed at individuals and companies to support their overall wellbeing needs. Whether that is seeking to address stress and mental fatigue, feeling grounded in nature, building a team, or exploring creativity there are many ways our programmes help address the stresses of everyday life. The programme continued to expand with the one-day Wellbeing Celebration in March and the introduction of a regular Rongoā Rākau tour led by a local practitioner.

In support of this work, we partnered with Huber Social to better understand the social impact of Sanctuary Mountain®. The research looked at three groups: local community, volunteers, and wellbeing programme participants. Statistical analysis across all groups showed a meaningful relationship between a visit and higher overall wellbeing.





#### LEARNING







Sanctuary Mountain® Maungatautari offers a fully facilitated formal education programme enabling ākonga (learners) from early childhood, primary school, secondary school, kura and tertiary education settings to experience the ecological restoration (haumanutanga) and conservation work of the sanctuary as well as making connections to place and environment (tūrangawaewae a kaitiaki).

A visit to Sanctuary Mountain® complements learning that students are experiencing in their own classrooms and promotes connections with nature, experiences of our unique biodiversity and deepens understanding of our natural history and conservation story. Learning in the environment also strengthens social and cultural connections to place and wellbeing.

This past year has been the most disruptive and challenging for schools and community education groups throughout the pandemic so far. Organising fieldtrip experiences for school groups in this changing environment has also been challenging. Although forward bookings for education groups have remained consistent, changing alert levels, protection framework settings and the impacts of waves of COVID-19 then moving through school communities has seen several postponements and cancellations to planned in-situ learning experiences. This is reflected in the number of education visitors who have been able to participate in our programmes on-site this year. 961 education visitors have participated in our programmes, consisting of 815 students and 146 parents and teachers. Education visitors were from primary schools, secondary

schools, community groups and tertiary education providers from the Waikato and Bay of Plenty regions. In addition to learning about the environment and conservation, we have also welcomed school leadership students, students involved in the BLAKE Inspire environmental leadership programme, cadets from the Bay Conservation Alliance Cadets programme and continued to support secondary school programmes for NCEA Level 1 and 2 biology and geography.

During periods when on-site visits were on hold, the education team continued to support teachers with resources and learning ideas using digital collaborative tools as teachers planned their online programmes. Virtual learning programmes were trialled, enabling an alternative way to connect with students and teachers via video conferencing. 145 students and eight teachers have since participated in virtual learning sessions. In addition, given students were unable to visit Maungatautari to gather data for an internal assessment, we transformed biology fieldtrip activities into digital resources and delivered a video conferencing session to each class to enable the completion of their investigation into a pattern in an ecological community.

#### Kiwi Guardians

This programme led by the Department of Conservation (DOC) and Toyota continues to be promoted through our education programme providing rewards for student participation and promoting activities for further conservation actions that can be carried out back at school and in their local communities.

#### **Professional Days**

During the past year, we have connected with other environmental education providers and professional networks. This has led to the development of new Teacher Professional Development Days in partnership with the Department of Conservation. Our first workshop in April, titled Conservation Education and Wellbeing – learning IN the environment was fully subscribed and well received. Sanctuary Mountain® presented a webinar about teaching and learning outdoors as part of the professional learning series of webinars organised through Te Pū Tiaki Mana Taonga Association of Educators Beyond the Classroom. Educators also contributed an activity station to the Kids Greening Taupo annual Arbor Day event which was attended by around 1,500 people from local school communities.

"We would just like to say a HUGE thank you for the amazing experience we had up on your Maunga. It was such an incredible day and the kids (and staff) left buzzing! We really appreciated your help, wisdom and time spent creating an amazing opportunity for our students. Your educators were incredible, and we felt very lucky to learn from you all! Keep up the work and I know we will all be returning to visit again soon."

— Pāpāmoa College

#### **Enriching Local Curriculum**

We were delighted to receive the news that Sanctuary Mountain® was successful in our application to become providers of the Enriching Local Curriculum (ELC) – formerly Learning Experiences Outside the Classroom contract with the Ministry of Education. ELC programmes aim to deliver authentic, hands-on/minds-on, broad curriculum learning experiences that complement in-class learning relating to the New Zealand Curriculum,

Te Marautanga o Aotearoa, and Te Whāriki. Our new contract with the Ministry of Education will enable us to continue to deliver and grow our education programmes over the next three years.



Sanctuary Mountain® Maungatautari is a community led project at heart, with passionate and dedicated supporters, many of whom have donated both their time and their resources to support the project. Sanctuary Mountain® Maungatautari is governed by a Trust made up of members from the community, landowners and local iwi representatives. Overall, the reality of landowners and mana whenua differ in how 'good will' is demonstrated in and around the maunga. This report aims to capture the significant differences, with the fundamental connection we all have - our love for the maunga.



#### KAITIAKITANGA AND MANA WHENUA



Maungatautari is a model of effective co-governance and we continue to work towards incorporating kawa and tikanga of mana whenua and reflecting in what we do.

Around the mountain our tuupuna built some of the greatest Pā sites, Hokowhitu a Tuu, Te Koukou, Waniwani, Oreipunga and Te Tiki o te Ihingarangi. These fortified fences, or tūwatawata, were over three metres tall and were woven with kareao.

Today, the 47 km pest-proof fence is just over two metres tall standing strong, backed by a robust system of operations, tracks, cameras, bait stations, traps and 3,363 hectares of one of Aotearoa New Zealand's most beautiful ancient forest ecosystems.

Mana whenua continue to shine through with the essential basis and values that guide our moral compass as an organisation. "Inspired Kaitiaki" and "Share the mauri and the mana of the maunga", these are the captions that echo in the hearts and

minds of volunteers and employees reaffirmed more so in the constant waananga with mana whenua.

Mana whenua representative Harry Wilson has consistently been the foundation of kiwi translocation to the maunga, ensuring the cultural protocol of karakia is performed. Science secondary school teacher, Wiki Papa this year delivered an outstanding presentation on Matariki and the traditional ceremony called the Poukai. Lee Ann Muntz continued to play an important role in advising translocation relationships between mana whenua and Save the Kiwi and Sanctuary Mountain®.

Parawera (Raukawa) have recently applied for concession to the Waipa District Council to help local schools have access to the scientific and traditional knowledge to build compacity for future kaitiaki. The faces in the act of learning were profound for both tamariki and facilitators – a fantastic joint venture with all stakeholders.

### LANDOWNERS AND NEIGHBOURING COMMUNITIES

#### Landowner relationships

Maintaining strong relationships with our neighbouring landowners is critical to the success of Sanctuary Mountain®. There are 23 landowners around the fenceline that we actively collaborate with on a regular basis, addressing any problems that may arise, managing access on their land and keeping the growth back from the fence. Finding a true partnership in all areas of the maunga especially between Sanctuary Mountain® Maungatautari, landowners and iwi, is a continuous process demonstrated so well in the co-governance model of our Board of Trustees.

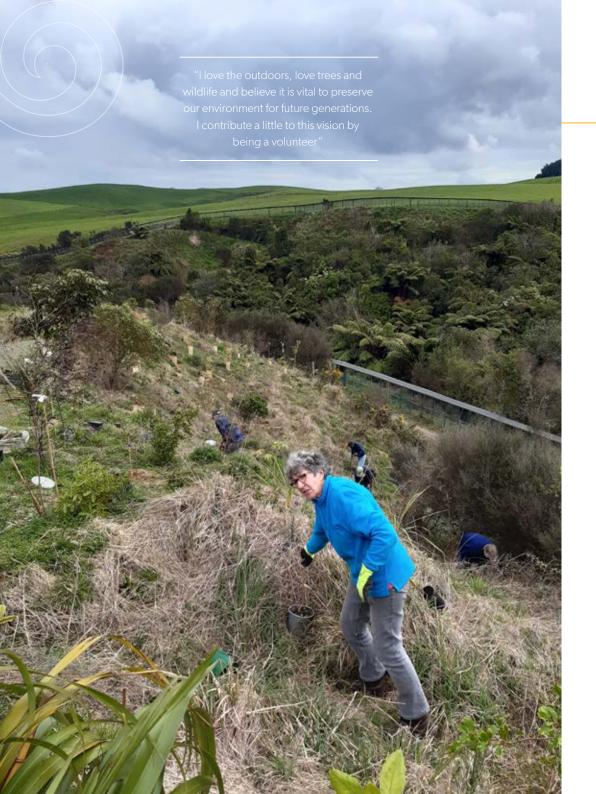
We should never forget the unrelenting need to access landowner blocks to access the fence.

Landowners are on a daily grind and dealing with night calls in the middle of lambing season or a storming night where winds can be in excess of 100 kms. We are in constant admiration and awe in which our community of landowners can be so charitable and benevolent to the cause.

#### Northern Enclosure entrance reopened

On 1 January 2022 the Hicks Road access was reopened to Waipa residents providing access to the northern enclosure and the over the mountain track, previously only accessible via the southern entrance. Waipā District Council worked with local iwi trusts and landowners to develop a new fenced track from Hicks Road to Maungatautari Reserve.





# VOLUNTEER CONSERVATION CHAMPIONS



Sanctuary Mountain® Maungatautari could not operate without the support of volunteers, and we are extremely grateful for all that our wonderful volunteers contribute. We have a strong, stable, and growing team of volunteers that support staff with day-to-day activities including pest-control and monitoring, planting, and releasing nursery work, maintenance of our visitor areas, species surveys and visitor engagement. We celebrated our volunteers with a successful volunteer appreciation afternoon tea last year, and long-serving volunteers were recognised at our AGM.

#### Volunteer development

A volunteer information pack was created and provided to new volunteers, this included the development of a volunteer policy and agreement. Work concentrated on clarifying role descriptions and improving both volunteer orientation processes and record keeping. Recruiting and training are continual but valuable processes. We are continuing to develop our formal processes to recognise and acknowledge the contribution of volunteers.

Over the past year we improved communications by having a dedicated weekly volunteer newsletter, so volunteers have up-to-date information. Training opportunities have been provided to volunteers where applicable to their roles such as quad bike and 4x4 driver training, chainsaw safety and species survey techniques.

#### Collaboration

Collaboration with disability support facilitator Selwyn Cook welcomed a volunteer from their Disability Employment team. Another connection made was with ConnexU who provided added support with another volunteer coming on board. Both volunteers and their support persons undertake work in the southern enclosure, raking paths fortnightly. We also worked with Volunteering Waikato to recruit volunteers for specific roles such as pest monitoring, Cambridge market stall, events, visitor hosting, aviary, and takahē tucker teams.

Working bees have occurred throughout the year, contributing to the ongoing work around the sanctuary. Te Awamutu College again donated their time and Hamilton Tramping Club helped with track cutting.

#### **Key highlights**

- 12,337 volunteer hours
- 193 active volunteers
- 1,936 volunteer hours contributed to species
- 1,547.35 volunteer hours contributed to pest monitoring

"Maungatautari is a place that is special to me and my family and I love being one of the inspiring passionate people driving our project."

# VIABLE VIABLE IN THE REPRISE

Sanctuary Mountain® continues the development and practical implementation of creating a viable business model that provides positive social, economic and conservation impacts. Sound financial management by the Trust and continued donor support, underpins the increasing economic viability of the Sanctuary Mountain® Maungatautari project. Health and safety also contributes to ensuring that our culture is aimed toward a viable enterprise.



# PARTNERS WHO ARE OUR WHĀNAU

Sanctuary Mountain® Maungatautari simply could not do what we do without the support of our committed whānau of sponsors and supporters.

#### New biodiversity market launched with partner Profile Group Limited

In June we launched a new biodiversity market with the first transaction between Sanctuary Mountain® Maungatautari (the seller) and Profile Group Limited (the buyer). The units will enable Sanctuary Mountain® to raise funds for conservation management from the sale of biodiversity units. This transaction was made possible by Ekos Kāmahi Ltd through its new 'Sustainable Development Units Programme' developed with funding and support from Sanctuary Mountain® Maungatautari, Trust Waikato, the Wel Energy Trust, and the D.V Bryant Trust.

#### **Education Centre build underway**

After many years of planning and sourcing funding, we are excited that our purpose-built Education Centre is underway with PAUA Architects and ASAP Contracting, and is due for completion in November 2022. To date, the project has secured funding for the carpark, toilets, and stage one of the facility build. Sanctuary Mountain® would like to thank

MBIE, Trust Waikato, Lotteries Environment and Heritage fund, Waipa District Council, Pub Charity, Milestone Foundation, Valder, David William Steel Trust and the many wonderful businesses, school fundraisers and individuals for their support. We were also excited to include a special announcement during our Mauri of the Maunga Gala Dinner, that Profile Group Ltd. committed to becoming the Sanctuary Mountain® Maungatautari Education Centre naming rights partner for three years.

#### Waikato Regional Council – Natural Heritage Fund

Waikato Regional Council has continued to support Sanctuary Mountain® and this year we were one of four recipients of their Natural Heritage fund.

Natural heritage projects are designed to protect and enhance the ecological assets for the people of the region and the funding will be used to help cover the cost of maintaining the pest-proof fence and detecting and removing invasive pests.

#### Relationships with local government

As a nationally and internationally significant conservation project, we are extremely grateful to both Waipa District and Waikato Regional Council's for providing significant multi-year funding commitments. This reflects a wider understanding

and support of the conservation, economic and social outcomes Sanctuary Mountain® Maungatautari brings to the people of our region.

#### Partner with the Taiea-te-taiao corridor project

The Taiea te Taiao ecological corridor project is a collaborative restoration project, that continues to gain pace. Sanctuary Mountain® is proud to be a partner of the five-year (June 2021 to June 2026) project that aims to link two of the region's most spectacular maunga, Maungatautari and Pirongia via an ecological corridor between the waterways which flow from the two mountains – the Mangapiko and Ngāparierua streams. The project has also helped launch Predator Free Te Awamutu, a community-led group aiming to have a trap in one in five backyards in the area.

#### Mother Earth support continues to support Education

Thank you to Mother Earth for their support of our education programme. Support from Mother Earth has helped enable the continued development of our programme and our ability to provide fully facilitated educational experiences.































#### MAURI OF THE MAUNGA GALA DINNER



Over 390 people gathered for Sanctuary Mountain®'s inaugural Mauri of the Maunga Gala Dinner, generously supported by presenting partner BiteLAB the evening raised over \$100,000 to bring the treasured kākāpō to Maungatautari. The event was officially opened by kaumātua Sonny Karena and was followed by a beautiful Waiata Tautoko from mana whenua Ngāti Koroki Kahukura and Ngāti Hauā. BiteLAB made the event possible as presenting partner providing 100% of the food and beverage for the occasion.

Event attendees were treated to a thought-provoking discussion on the intensive survival story of the kākāpō by ecologist professor Jacqueline Beggs from the Department of Conservation's kākāpō recovery team. Her presentation showed the charisma of this impressive bird and the importance of conserving it as best we can.

The evening was amazing on many levels including bringing our community together; securing the final funds required to begin the 47km fence modification; and raising the awareness of the maunga and critically, the Kākāpō Recovery Programme.

We are incredibly excited to welcome
BiteLAB to our whānau of partners, their
commitment to supporting the sanctuary
and our fundraising efforts are a true
alignment of community support."
— Sanctuary Mountain®
Marketing Manager Monique Webb



# SAFETY CONSCIOUS CULTURE

At Sanctuary Mountain® we aim to deliver best practise and always seek continuous improvement. We align with the deeper cultural significance of our first peoples on Maungatautari and maintain our mauri (essence) of the maunga, taonga species, volunteers and employees of the organisation.

#### Workshops and Hui's

Our culture around health and safety is documented formally with operational weekly toolbox meetings, daily digital entries to our safe work registers, weekly team lead and monthly full team health and safety hui's. Daily conversations identify health and safety risks prior to commencement of work in all areas.

#### Introduction of Workshop Friday's

Workshop Fridays (WSF) is a recent addition to our organisation, providing an opportunity for staff and volunteers to upskill and share specialist skills and knowledge amongst the team. These skills often have health and safety competencies attached which we will look to audit in our Human Resources Assured (HRA) system. Team members will take a part of the day and teach to their strengths. We also invite specialists that can add deeper layers to the training, such as a 4WD motor vehicle on wet grass descent and ascent. WSF usually supports any immediate needs from weekly, monthly and or toolbox huis.

#### Safe Work Register (SWR)

The SWR excel sheet is an organisational health and safety tool. All information is entered into our APP and monitored daily. Safe Work methods are the foundation of the digital interface, recording the activities, and outlying the risks and possible hazards. It also offers opportunities to minimise and or eliminate the risks that may present themselves.

#### **Training**

We have strengthened our relationship with Forestry Training NZ located in Karapiro, customising and collaborating on training for our cadets, rangers, contractors and volunteers. Trainees are expected to hold quad, 4WD, LUV, chainsaw and first aid training and certification. During the year, where appropriate, staff and volunteers also underwent advanced chainsaw, advanced first aid in the bush, winching, dog training, and communications training.

#### **Equipment and PPE**

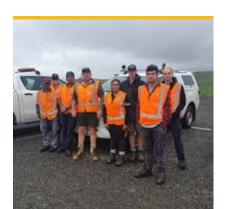
Staff are fitted out with personal protective equipment (PPE) gear that is purposefully fit for the terrain, geographics and weather our operations encounter.

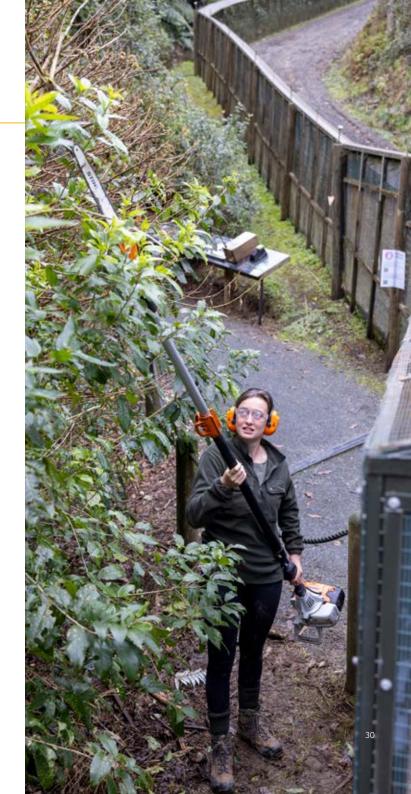
#### Communication

Our main source of communication is through cell phones, email, PLB, and Hytera radios. Rangers are contactable via cell phone in most places on the mountain, however, there are places deep in the valley where cell phones may be out of service. PLB'S are a constant communication tool needed for all our teams. Hytera radios are used in guiding and education and are only used in a person down or in a emergency SOS call scenario.

#### Auditing

Auditing our current systems, registers, equipment, and emergency drills is done monthly.





#### FINANCIAL REPORT – YEAR ENDING 30th JUNE 2022

Graham Scott F.C.A.

The trust has recorded a deficit of \$75k for the year ending 30/6/22. This compares with a deficit of \$174k for the previous year.

Total revenue was up \$314k on the previous year. This is largely due to a grant from New Zealand Lotteries of \$451k for the kākāpō fence, the proceeds from the kākāpō Mauri of the Maunga Gala Dinner and art auction, as well as an anonymous donation of \$100k. The kākāpō income will be spent on the capital cost to ensure our kākāpō cannot escape out of a fence designed to stop pests getting in!

Expenses are up around \$215k with most of the increase coming from \$288k of extra salaries cost. The Trust has been understaffed for years and is now financially solid enough to fill some of the roles. After a big year of catch up in the 2021 year, repairs and maintenance has decreased by \$71k and is back to 2020 levels.

Most of the amount of \$1.07M in "Other Current Liabilities" is made up of "Income in Advance". This is funding that would need to be paid back to the grantors if it was not spent. The intention is to spend it!

From a cash point of view, the Trust had \$1.2M in the bank 30/6/22, up \$500k 12 months earlier. A large portion of this cash was for the kākāpō fence improvements and the build of the Education Centre, which has been delayed due to COVID.

Overall, the Trust is in a healthy financial position.



## INCOME AND EXPENDITURE ACCOUNT

	Year ended	Year ended
	30/06/22	30/06/21
unding/grants	1,554,605	1,424,565
onations, fundraising and other similar revenue	350,497	154,159
evenue from providing goods or services	253,084	270,538
iterest revenue	2,434	3,051
Other income	10,224	4,347
otal revenue	2,170,844	1,856,659
xpenditure		
dministration costs	84,947	63,365
osts relating to providing Goods and Services	62,969	28,969
epreciation and amortisation	372,356	362,036
terest expense	14,219	6,944
perating expenses	496,719	514,785
olunteer and employee related expenses	1,118,377	887,266
epairs and maintenance	96,250	167,060
otal expenses	2,245,837	2,030,425
urplus/(deficit)	(74,993)	(173,766)



#### BALANCE SHEET

	Year ended	Year ended
	30/06/22	30/06/21
Current Assets		
Bank accounts	1,234,779	715,737
Debtors and prepayments	24,853	35,968
nventory	22,787	26,865
Other current assets	227,400	226,433
Fixed assets	8,881,715	9,015,490
Total assets	10,391,534	10,020,493
_iabilities		
Current liabilities		
Creditors and accrued expenses	233,932	175,064
Other current liabilities	1,073,836	644,378
otal current liabilities	1,307,768	819,443
oans	_	33,400
Hire purchase	86,163	95,054
Total liabilities	1,393,931	947,897
(Net assets)	8,997,603	9,072,596
Accumulated funds		
Capital contributed by members	50	50
Accumulated surpluses	8,997,553	9,072,546
Total accumulated funds	8,997,603	9,072,596

#### **Physical Address**

99 Tari Road, RD1, Pukeatua 3880, New Zealand

#### Postal Address

PO Box 476, Cambridge 3450, New Zealand +64 7 870 5180

info@sanctuarymountain.co.nz

www.sanctuarymountain.co.nz

We would like to acknowledge our current And retired trustees for the year 2021-2022

#### **Current Trustees**

Poto Davies (Co-chair)

Don Scarlet (Co-chair)

Andrew Peckham

Graham Parker

Mary Jensen

Nico Mouton

Norma Taute

#### **Retired Trustees**

Maryanne Sambells

Rahui Papa

Aaron Barnsdall

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Department of Conservation, G. Shirley, Tom Lynch, Geoff Churchill, Rohan Clarke, Debs Smith, Monique Webb, Kiwis for kiwi and
Sanctuary Mountain®.

