



DECEMBER 2022 IN THIS ISSUE

PAGES 2 & 3

2022 in review

Supporter numbers continue to grow

PAGES 4

Visitor Centre enhancement update

PAGES 5

Partnering with NBS

PAGE 6

Visitor Centre upgrade photos

PAGE 7

Storm repairs update

Plants in the Sanctuary

A year of beer!

Science research in the Sanctuary

PAGE 8

Donations received

PAGE 9

Staff changes at the Visitor Centre

Trustee profile - Christine Hemi

PAGE 10

Cheesy Dean's is back!

Help needed at the Visitor Centre

December | January opening hours

Upcoming events - Beech Glade Sessions

PAGE 11

Recently seen in the Sanctuary

PAGE 12

Business Club & Sponsor profiles

Student visits to the Sanctuary

PAGE 13

Sculpt Nature

PAGE 14

Endemic species profile -

Ruru | Morepork

PAGE 15

Strategic, major & business club
supporters

PAGE 16

Merry Christmas from the BWS

KEEPING YOU INFORMED

MESSAGE FROM OUR CHAIR

Recently, the headline 'International Volunteers Day' in The Press (5 December) drew my attention. The article explained that this day was to recognise the spirit of volunteering to help create a better future, volunteers being the backbone of our communities. Research commissioned by the UN said globally 862 million people volunteer at least once a month. Volunteers build bridges between different groups and act as innovators.

Reflecting on this special day and the comments posted about the article, it brought home to me just how fortunate the Sanctuary is to have such a dedicated, enthusiastic and skilled pool of volunteers, along with equally dedicated staff. These people are together focussed on building and maintaining a heritage of precious fauna and flora - taonga for future generations, and at the same time, creating an asset and attraction for the city and the Nelson/Tasman region.

Over the past six or so months Sanctuary volunteers, staff and contractors have made a herculean effort on the Visitor Centre refurbishment program which is now almost complete. A new upper valley track connecting the top of the Sanctuary to existing track network is also now getting its finishing touches. This new track through steep, difficult country is approximately 2km in distance. Previously, a walk from the top of the Sanctuary to the Visitor Centre took around 4-5 hours, this new track significantly reduces the walking time.

The major clean-up and repairs arising from the August extreme weather event are now largely completed, after four months of intense clean-up activity. There is ongoing work to be done, but part of this will be incorporated into the maintenance program. While all this extra activity was being undertaken, Sanctuary-wide surveys were being completed, pest fence, track maintenance, pest detection devices and traps checked, and important programs such as the weed control project continued. Clearly, only an enthusiastic dedicated group could achieve all this - thank you all!

In mid-November four new Nelson City councillors accepted an invitation to visit the Sanctuary. During this informal visit, the Sanctuary board and management outlined to the visiting Councillors our longer-term objectives and opportunities as well as the commercial opportunities for the Sanctuary. The board and sanctuary management are looking forward to working with the new council.

If you have not been up to the Sanctuary recently, I encourage you to pay a visit over the holiday season to see the improvements and to enjoy this incredible community project; I am quite convinced that the Sanctuary is an asset of which the entire region can rightly be proud.

Ngā mihi

Chris Hawkes, Chair BWST

2022 IN REVIEW

2022 has been another busy one for the whole operation.

Considering the extent of disruption caused by the ongoing impacts of Covid, storm clean-ups and the Visitor Centre enhancement project, the Sanctuary can call 2022 a good year with a number of significant achievements. Listed here are just some of our achievement reflecting the four 'capital measures' we like to report against.

Environment:

- The Sanctuary is free from introduced mammalian pests (aside from mice) and is considered bio-secure; we have updated our 2019 Biosecurity Plan adding learnings from 2020 and 2021. Pest fence integrity is effective and reliable, and it should be noted it held together despite the battering from the 1:100-year storm event suffered in August.
- Fence inspection issues continue to reduce year-on-year, although, we are constantly maintaining the fence.
- In May, we successfully translocated our fifth cohort of kākārīki karaka | orange-fronted parakeet into the Sanctuary
- Species introduction plans have been advanced throughout the year,

Social:

- We have grown our supporter base to almost 1,500, a major achievement when we reflect that three years ago this number stood at less than 150. Since 1 January 2022 we have seen 13,500+ visitors to the Sanctuary.
- Tourism NZ Qualmark awarded the Sanctuary 'Gold Standard' status. Tourism NZ also credited us with its 'COVID Clean' award. We have been selected to feature in a major Tourism NZ promotion to be filmed in the Sanctuary early 2023.
- We have improved training programs for volunteers in first aid, 4WD driving, equipment operation.
- Our volunteer numbers now stand at 400+. Our volunteer 'onboarding' process has been refined and documented with much improved results.
- We have measured our carbon footprint with assessments in 2020, 2021 and have been certified as a carbon zero business, we will repeat this exercise for 2022.
- Sanctuary inspired beers - utilising business supporter specialised skills!

Cultural:

- Our health and safety systems have been accredited to ISO 45001 standards.
- We have worked hard on developing our education program to contain a storytelling element to explain the forest/ngahere from a Māori perspective, together with the Sanctuary's aims and purpose.
- We have secured a cultural advisor in Hamuera Manihera who will assist us with engagement and understanding.
- We have been accepted as allied partner into the Kotahitanga Te Maio Alliance (an amalgam combining all councils from Westport to Kaikoura, te Taihu iwi groups and DOC Top of the South together)
- We have grown closer to Nelson's art and culture sector with involvement in fringe arts, with the annual Nelson Arts Festival, and in staging a sculpture competition called Sculpt Nature. We want to establish and build a quality art collection and place these works on the main walking tracks so visitors can enjoy them.

Financial:

- In the financial year ending 30 June 2022 we achieved an operational surplus of approx. \$24,000 (after depreciation).
- The Trust does not hold any debt.
- The newly formed Sanctuary Foundation Trust investments have grown to \$370,000, a good effort for its first year; the sole beneficiary to this trust is the Sanctuary.
- We retained most of our major sponsorships and confirmed another strategic sponsor, NBS (Nelson Building Society)
- Our Brook Business Club membership support held steady at 64 members despite Covid19 disruption affects upon local and national business.
- We were successful in attracting significant funding for a three-year weed control project initiated from October 2021. At the end of year, the weeding teams, including the volunteer team covered over 180 ha of the Sanctuary.
- We have received increased support from our business supporters, a base of ~100 companies, with increased support in terms of both cash and 'in-kind' support/services or goods. We have also committed to try and spend our operations budget with local and regional businesses that support the Sanctuary.

2022 IN REVIEW CONT'D

- Extraordinary spending (unbudgeted) as storm clean-up costs of over \$110,000 has been covered mainly by funds from a successful public appeal and from insurance.

We confirmed financial support for future projects such as solar panels and a building upgrade for the Visitor Centre, educational resources, clothing, and Sanctuary projects, such as resurfacing the lower looped track.

None of these achievements would have been possible without the work of a dedicated team of volunteers, staff and trustees, so to these hard-working individuals, my thanks for all your efforts in 2022 and we should look forward to a big year ahead.

Our thanks also to the many individuals, businesses, funders, sponsors and other organisations who support us with their time and money, we could not do what we do without your support.

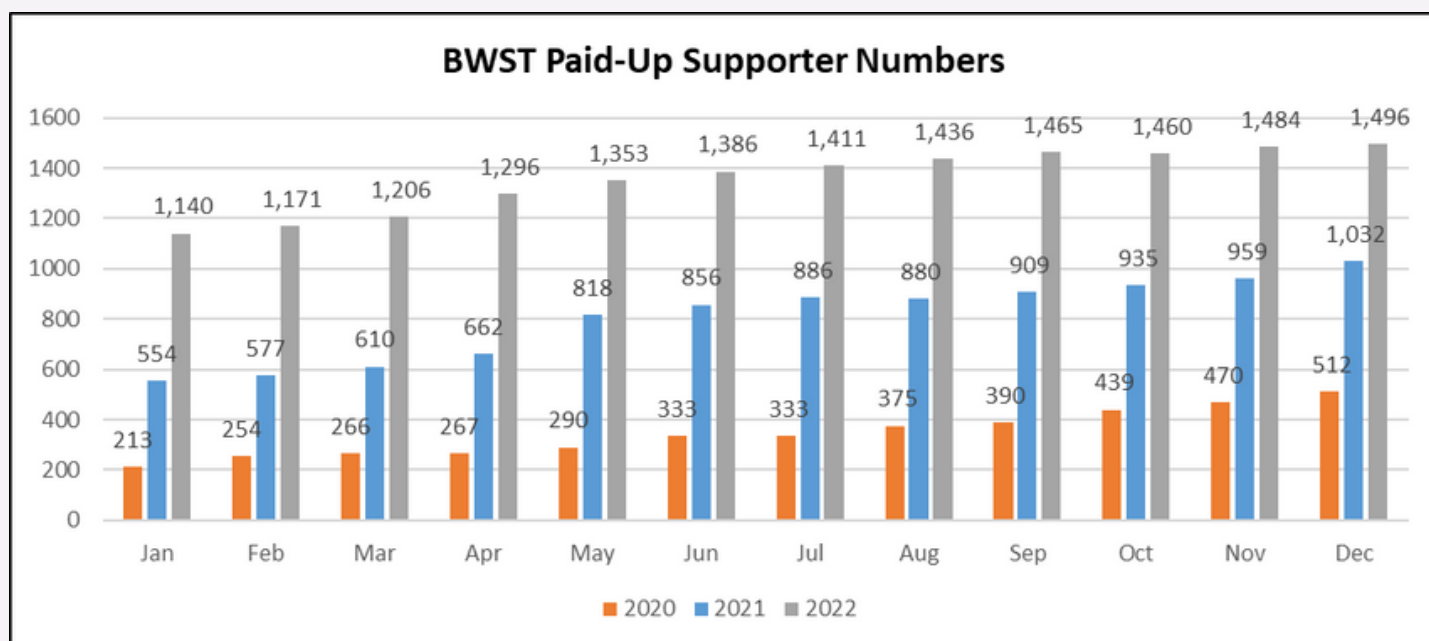
On behalf of the Brook Waimārama Sanctuary team, have a wonderful holiday season - make sure you get into the Sanctuary over the holiday period.

Enjoy this bumper end of year issue.



Ngā mihi
Ru Collin, Chief Executive

SUPPORTER NUMBERS CONTINUE TO GROW



NBS VISITOR CENTRE ENHANCEMENT UPDATE

The NBS Visitor Centre enhancement project is now substantially completed - the upgraded (and enlarged) Visitor Centre reopened to visitors last Friday and is looking quite magnificent with new information displays.

The project is to help improve the building as the ticketing office and administration centre for the Sanctuary. We have created more floor space for visitors and staff, as well as, providing better facilities for volunteers with a separate 'smoko' room, and storage facilities and to improve our presentation to visitors.

We also wanted to present the front entrance to the Sanctuary in a way that can cater for increasing visitor numbers and to present visitors a Sanctuary rich in wildlife.

We would like to acknowledge and thank NBS, the naming rights sponsor for their significant and ongoing commitment and financial support for the Sanctuary.

VISITOR CENTRE LANDSCAPING

While the Visitor Centre building is now largely completed, the external landscaping and signage is about 4-6 weeks from being full complete.

NBS VISITOR CENTRE OPENING & END-OF-YEAR BBQ - POSTPONED

Due to uncertainty in the weather forecast, we made the decision last Thursday to postpone the end-of-year volunteer BBQ and Visitor Centre reopening until sometime late January.

The upgraded NBS Visitor Centre is now open to visitors - we encourage readers to visit over the summer holiday period to see what has been achieved - we think you'll be suitably impressed!

OUR THANKS

Upgrading the NBS Visitor Centre has been a very significant project for the Trust, the final cost for the entire project is likely to be \$330,000, it would not have been possible without the substantial support of many funders, sponsors, private donations and importantly many many hundreds of hours of free labour by dedicated volunteers.

WE WISH TO THANK:

PROJECT FUNDERS

- NBS
- Simplicity Charitable Trust
- Platinum Asset Management
- The Mainland Foundation
- The Lion Foundation
- Several private donors for large donations for the solar panels and exterior landscaping works

The Trust also wishes to pay tribute to Neil Johnstone and Tom Brett, Sanctuary volunteers who have managed this project and to have put in many many hours of their time into this project - with terrific results.

PROJECT CONTRACTORS

- Redbox Architects
- PJ Simpson Builders
- Downing Design
- Cutting Edge Signs
- Laser Electrical
- Nelspecs
- Armstrong Security
- Blair Ferguson Plumbing
- Nelson Bays Roofing
- Harrison's Solar
- insite Nelson
- Flooring Xtra
- Brown & Syme
- Advanced Access Solutions
- Absolute Energy
- FFP Nelson Marlborough Fire
- Berkett Contracting Nelson
- Richmond Glass

PROJECT SUPPLIERS

The list of project suppliers is simply too long to name every supplier - but our thanks to them all for being a part of this project.

Our apologies in advance for any oversights or omissions!

NBS AND SANCTUARY PARTNERSHIP TO BOOST VISITOR EXPERIENCE

NBS and the Brook Waimārama Sanctuary Trust have entered into a new sponsorship agreement that will see NBS become a key strategic sponsor of the Sanctuary for the next 3 years.

This year the Sanctuary has been working on a major upgrade to its visitor centre and this significant investment from NBS is helping to finance these works.

Located at the entrance to the Sanctuary, the NBS Visitor Centre is the gateway to the immersive experience that the Sanctuary offers. The upgraded building will feature new displays about the history of the Sanctuary and the conservation work that the Trust carries out. Visitors will also be able to listen to the bird calls to assist with identification when out in the Sanctuary and study native koura (freshwater crayfish) in a tank.

Chief Executive of NBS, Tony Cadigan says "This Sanctuary is one of the most important ecological environments in NZ and to have it right here in our backyard is fantastic. The Sanctuary is vast and already has some important programmes for endangered species that are national success stories. NBS are proud to be associated with this environmental treasure and look forward to seeing the NBS Visitor Centre completed."

CEO of the Brook Waimārama Sanctuary, Ru Collin, is delighted that NBS has increased its level of sponsorship and says "Having NBS as a strategic partner makes a huge difference to the work that we can do here. With the NBS Visitor Centre upgrade nearing its completion, we can welcome our visitors over the summer months and provide an enhanced experience. NBS' funding also means that we can focus on our long-term conservation goals of introducing more native species into the Sanctuary. We thank NBS very much for their ongoing support and look forward to welcoming visitors from near and far to our Sanctuary during the upcoming holidays."





From this



While the interior works are now finished, work continues with landscaping and external signage works.

The lawn area outside the Visitor Centre is to be hydro-seeded with grass seed this week, further exterior works are planned for January.

To this!



STORM REPAIRS UPDATE

Following the extreme weather event the Nelson region experienced 17-21 August the Sanctuary was left with many slips and slumps requiring repairs and maintenance.

A large part of the repair works have now been completed; we anticipate that the total repair bill will eventually top \$100k, once again our thanks to the many individual who quickly responded to our appeal for donations to pay for repairs - donations totalling almost \$33k were received, along with about \$12k worth of 'in-kind' donations of materials for repairs.

Our insurers (QBE) have now accepted a claim for repair works which is really appreciated - our thanks to QBE and AON Nelson our insurance brokers.

PLANTS IN THE SANCTUARY

A few days ago botanist Chris Ecroyd reported, "we had a good day with several new orchid records for the Brook. In places it was difficult not to walk on the odd orchid, there were so many. I have put my records onto the iNaturalist website and you are welcome to use those photos.

Pterostylis oliveri is a new record for my Brook list, (along with *Pterostylis areolata* & *Pterostylis australis*).

Caladenia nothofagei - also a new record. I saw three different species of *Caladenia*. *Thelymitra longifolia* is very common but I have never seen so many plants in full flower.

I am convinced that the fence is benefiting orchid survival by excluding pigs and other animals." - so some great news!

Some of the photos Chris sent in can be found on page 9 of the newsletter.

A YEAR OF BEER!

2022 has seen many wonderful things brewing, including a delicious partnership with [The Free House](#) who have worked with the Sanctuary this year to create two limited edition beers. Both the Kākāriki Pale Ale and the Powelliphanta Porter were especially designed with a unique flavour profile representing the species they advocated for. This initiative has been a great way for the Sanctuary to raise awareness about our translocations as well as highlight out native species in a light-hearted way!

Keep an eye out - The Free House is brewing another special limited edition beer for us which will be released in the new year.

SCIENCE RESEARCH IN THE SANCTUARY

Plant and Food Research search for stink bug egg parasitoids in the Sanctuary

Plant and Food Research are looking for brown marmorated stink bug (BMSB) egg parasitoids in the Sanctuary. This is because little is known about egg parasitoid species attacking stink bugs in NZ. The only ones known doing this so far are *Trissolcus basalis* and *Trissolcus oenone*. So, the main aim for the project is to determine if there are other (not yet recorded) parasitoid species in NZ (e.g. *Trissolcus mitsukurii*) attacking stink bugs that could potentially contribute to a future biocontrol programme against BMSB. BSMB (pictured below) are not in New Zealand yet.

If you'd like to know more about the BMSB and it's identification, click [here](#).

Plant and Food Research put out 12 lots of pentatomid egg batches out away from visitor sites. See photo attached. The trees/shrubs are marked with orange tape usually lower down than the egg batches. They will be checked monthly until April next year.





DONATED GOODS

Last week we were delighted to receive another 100 high vis vests donated to the Sanctuary by OneFortyOne - a long term partner of the Sanctuary.

Pictured below, Nigel Brabyn from OneFortyOne presents Ru with more hi-vis vests for staff and volunteers.



OTHER DONATIONS

We'd like to acknowledge recent donations gifted to the Sanctuary for the Trustee/staff Christmas function, and a donation of \$10,000 towards the external landscaping works - these donors wish to remain anonymous.

Our thanks to everyone who's made a donation to the Sanctuary in 2022 - your support is very much appreciated. Don't forget - all donations over \$5 are tax deductible - and you can 're-gift' your donation rebates back to the Sanctuary. Click [here](#) to find out how and to sign-up with our donations rebate partner Supergenerous.

CORPORATE DONATION

A couple of weeks ago, right out of the blue we received an email from the ASMUSS FOUNDATION saying they'd like to make a donation of \$7,000 to the Sanctuary - of course we didn't say no! We intend to put these funds towards the (yet to be completed) external landscaping works at the NBS Visitor Centre.

The ASMUSS Foundation was recently launched by ASMUSS STEEL to celebrate 100 years of business and is intended to support kiwis in the local communities in which the company operates.

Featured in the photo below, Ryan Nordstrom presenting Ru with a Certificate of Gifting on Friday, 16 December.



Regift your
donation rebate



this
Christmas

supergenerous

STAFF CHANGES AT THE VISITOR CENTRE

Jazz Scott has been appointed as our Visitor Centre & Volunteer Coordinator, effective from 22 November.

Jazz's background includes experience at DOC customer relationships for 9 years, was involved with a Conservation board and was the Hospitality Manager for The Boathouse for four years. Jazz also some history with the Sanctuary stretching back 15-25 years. She was impressed with our efforts and wants to contribute toward ecosystem restoration and with effectively engaging the community. Volunteer reps and key operations staff met with Jazz prior to the appointment.

We welcome Jazz on board who will be ably supported by Mary-Anne Cameron for 2 days per week and a pool of 15 volunteer hosts who will fill a roster so that the Visitor Centre can open for six days per week over the busy summer months.



Left:
Jazz Scott



Right:
Mary-Anne Cameron

TRUSTEE PROFILE



The Brook Waimārama Sanctuary are proud to have Christine Hemi as a long serving member on the board of Trustees. Christine has been a Sanctuary Trustee since 2006 and brings a strong voice and perspective to the BWST board table, whilst representing the interests of Ngāti Kuia. Christine has also provided loyal representative service in various roles with Ngāti Kuia and the wider community.

Christine has contributed in a multitude of ways to the Sanctuary during her time with us. She has been a

present and supporting force at key milestone events such as our species re-introductions, particularly during the kākārīki karaka (orange-fronted parakeet) release. Christine was a core part of the welcoming party for visiting iwi Ngai Tahu and facilitated the transfer of the birds from Te Rūnanga o Ngāi Tahu Kākārīki karaka species recovery programme, ensuring the preservation of the whakapapa of the manu.

Christine and her whānau have also been involved in our Sanctuary Open Days, where she has paired her love for conservation with her advocacy for social causes, often running a sausage sizzle fundraiser for the women's refuge at these events.

Christine continues to work closely with the Sanctuary as it pursues its vision to restore an ecosystem and re-introduce significant species/taonga back into an ecologically thriving haven. Although biosecurity is considered the main priority for protecting the Sanctuary, our plans include important elements of community engagement, and through education and ongoing messaging, the public can gain a better understanding of the value of effective biosecurity; protecting the legacy and past investments made in the Sanctuary. The role that Iwi representatives such as Christine play in terms of bolstering wider community engagement is paramount to the success of the Sanctuary as a good example of Kaitiakitanga and conservation in action within Te Taihū"

CHEESY DEANS COFFEE AND TOASTIES IS COMING BACK!

Much to our delight, Cheesy Deans will be back at the Sanctuary again this summer - you'll be able to catch slinging brews and flipping toasted sandwiches gam - 3pm, Thursday - Sunday commencing 22 December.

And, that's not all - be sure to follow Cheesy Deans on Instagram or Facebook for information, menu changes and any changes to his opening hours during the holiday season at the Brook Waimarama Sanctuary.

Cheesy Dean says, 'See you there!'



SANCTUARY OPENING HOURS DEC | JAN

DECEMBER

20-31 December: open daily 9am - 5pm
(closed Christmas Day)

JANUARY

1-31 January: open Tue-Sun 9am - 5pm
(open all public holidays 1-3 and 30 January)

HELP NEEDED AT THE VISITOR CENTRE

We have an aquarium in the Visitor Centre which contains native fish, there is also a fish trap at the dam which enables fish passage past the dam gates and up into the Sanctuary. If you have some experience with aquariums or native fish and would like to help maintain these items, please contact [Nick Robson](#)



UPCOMING EVENTS - THE BEECH GLADE SESSIONS

Summer Outdoor concerts at the Sanctuary!

We are very excited to announce that we have launched our Beech Glade Outdoor Concerts which will run through from December until April 2023. The Beech Glade Sessions are a new offering for the Sanctuary and will showcase a range of local talents in a tranquil bush setting.

The first event was Taonga Pūoro by Sunset, featuring a breath-taking performance from Bob Bickerton. Be sure to book in for the next concert - 22 Jan at 3pm featuring the [Nelson Bays Harmony Chorus](#).

Pre-register your interest, [email us](#), we'll let you know when tickets go live.

\$20 General Public

\$5.50 Children 5-15 years

\$10 Sanctuary Volunteers & paid-up supporters

RECENTLY SEEN IN THE SANCTUARY

If you have some great photos taken in the Sanctuary that you'd like to share in future issues of eNews send them to: info@brooksanctuary.org.nz

Slender Forest Orchid
Adenochilus gracilis
© Deb Corbett



Dendrobium cunninghamii
Rebecca Bowater



Pterostylis oliveri
© Chris Ecroyd



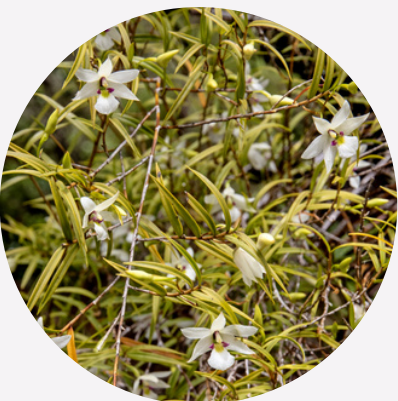
Caladenia variegata
© Chris Ecroyd



Thelymitra longifolia
© Chris Ecroyd



Dendrobium cunninghamii
Rebecca Bowater



Kōtukutuku | Tree fuchsia
Fuchsia excorticata
© Steffie Kuenstle



Kāmahi
Weinmannia racemosa
© Steffie Kuenstle



BUSINESS CLUB PROFILES



GIBBONS™

Established in Nelson, Gibbons is a third-generation family business, grown from humble beginnings, and upholds a proud legacy. They have built their company on multi-generational relationships and a deep commitment to people, customers, and community, with the drive to give back. Gibbons comprises three major areas of business: Property Investment, Developments, and Forestry. Within this, they look after a significant diverse blue-chip investment portfolio, delivering property solutions to many national tenants.

SPONSOR PROFILE

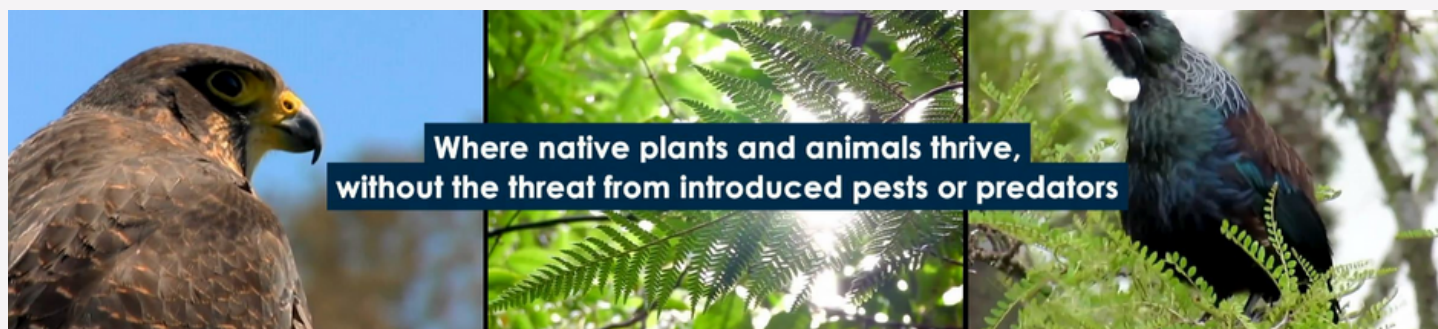


NELSON AIRPORT

Good things start here.

Earlier this year Nelson Airport joined our family of sponsors with a two year sponsorship agreement that included substantial 'in-kind' support in the form of digital advertising at the airport on their enormous screens.

If you're passing through the airport over the holiday season, keep an eye on the large digital screens for our videos. The image below is a still taken from our video. Special thanks to Naked Eye Video for the work on this project.



TEDDY BEARS PICNIC

BRING A PICNIC, A CUDDLY TEDDY
EXPLORE AND BE ENTERTAINED!

SUNDAY 8TH JANUARY
ISEL HOUSE & PARK, STOKE

10.30AM - 1.00PM

PROUDLY SUPPORTED BY:

1,446 STUDENTS VISIT THE SANCTUARY IN 2022

Our schools education programme continues to go from strength to strength with a record number of children (1,446) visiting on an organised programme. This compares with 669 last year and 799 in 2020.

This year we welcomed students from the following: Appleby School, Auckland Point School, Bays Montessori, Broadgreen Intermediate, Clifton Terrace School, Enner Glynn School, Enner Glynn Playcentre, Founders Montessori, Grove Street Kindergarten, Hampden Street School, Hira Kindergarten, Hira Schools, Hope School, Krankin Kids holiday programme, Nayland College, Nayland Primary School, Nelson College for Girls, Nelson Intermediate, OneSchool Global, Out and About holiday programme, Saint Paul's Catholic School, Stoke Scouts, Tamaha Sea Scouts Kea Group, Tapawera Kindergarten, Victory Primary School and Waimea College. Plus, trainee teachers from the University of Canterbury, and Homeschools Science.

[Click here](#) to book a school visit to the Sanctuary.

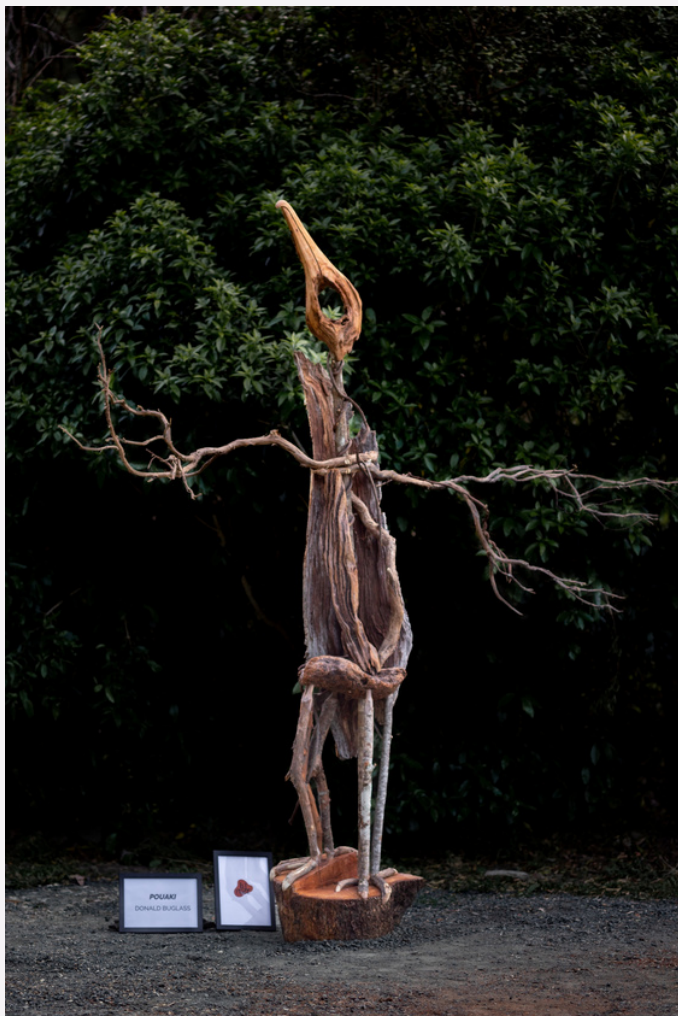
SCULPT NATURE

Many of you would have been aware of the inaugural Sculpt Nature sculpture symposium that took place 15-23 October in the Sanctuary.

The winning piece 'POUAKAI' by Donald Buglass was to remain on-site as part of the symposium terms and conditions of entry. We are pleased to announce that another two of the sculptures will now also become permanent pieces on display. Second Prize winner, Paul Olson, has kindly donated his piece titled 'Sanctuary' to honour the hard work and dedication put into the Sanctuary by volunteers. Furthermore, the People's Choice award winner Gabi Melo will also have her piece permanently on-site at the Sanctuary, thanks to the generosity of Donald & Deborah McConochie who bought the piece at the auction and have kindly gifted it to remain on-site at the Sanctuary. The sculptures have been installed around The Loop in the coming weeks, so that volunteers and visitors can enjoy them. Keep an eye out for the signs and the exhibit in the Visitor Centre.



2nd prize piece - sided on the east side of The Loop
SANCTUARY by Paul Olson



1st prize piece - sited on the west side of The Loop
POUAKAI by Donald Buglass



People's Choice Award piece - sited in the picnic area
A Silent Prayer to Papatūānuku by Gabi Melo

ENDEMIC SPECIES FEATURE

It's important to celebrate what we already have within the Sanctuary. Some species, such as toutouwai (South Island Robin) and titipounamu (rifleman) are more unique than most of us realise. We aim to profile a species in each issue of our newsletters with the input of our ecologist Robert, volunteers and other staff.

RURU Morepork

Ninox novaeseelandiae novaeseelandiae

Ruru, also known as morepork, is New Zealand's only surviving native owl. Their enigmatic 'ruru' call can be heard emanating from native and exotic forests throughout New Zealand. They also emit a variety of mews, yelps and 'crees'. Like most owls, they are nocturnal. They rest during the day in shady roosts, but if spotted, small birds may mob them and force them to move elsewhere.

Ruru cannot move their large yellow eyes within their sockets, however they can rotate their heads 270°. Like other owls, their wing feathers have soft fringes which enable them to fly silently. Their prey includes insects, lizards, frogs, mice and small birds. They usually hunt using a 'perch and pounce' technique, but also catch moths and beetles on the wing.

Ruru are monogamous and territorial. Territories range in size from 3.5 to 7.8 hectares. In late October or November, ruru conceal their nests within tree cavities, hollow logs, thick clumps of vegetation, the forks of trees or on the ground in a hollow beneath tree roots, fern fronds or a rock. A clutch typically contains one to three eggs. Females incubate the eggs alone until they hatch at 29-31 days. After the first week of brooding, males help their mates feed the chicks. Chicks fledge at 35-40 days, but do not become independent for another 6-7 weeks.

At present the ruru's conservation status is 'Not Threatened', though populations may decline due to habitat loss, predation, and poisoning. Nesting females, eggs and chicks are vulnerable to predation from mustelids, cats, possums and rats. Unfortunately, ruru may suffer secondary poisoning from widely available anticoagulant toxins, like brodifacoum, often used to control rodents around homes, in agricultural areas, by pest control contractors and at some conservation projects. Hence, while brodifacoum is an essential tool for landscape scale pest eradications; ideally, it should be used sparingly. Happily, ruru appear to be doing well within the Brook Waimārama Sanctuary likely feasting on the mice present.

Author: Katherine Chamberlain

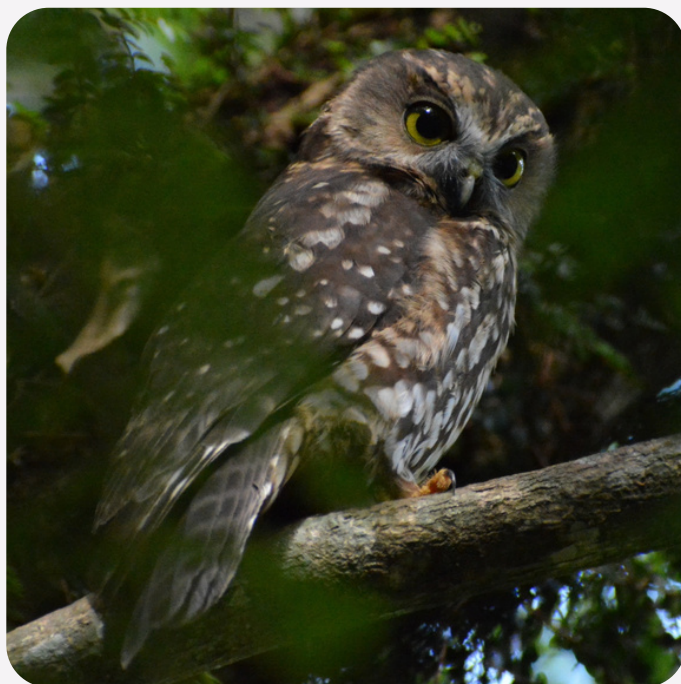


Photo credit: Sean McGrath



Photo credit: Sean McGrath

SUPPORTER SIGNAGE IN VISITOR CENTRE - UPDATE

We're very grateful to, and thankful for, all our supporters, the recently reopened Visitor Centre features new (and updated) supporter boards.

STRATEGIC SUPPORTERS



MAJOR SUPPORTERS



Nov 2022

BROOK BUSINESS CLUB SUPPORTERS



NOV 2022

