Penews from Brook Sanctuary

MARCH 2022 IN THIS ISSUE

PAGE 2 htroducing our new patron - Lou Sanson

PAGE 3 Kākāriki karaka translocation update

> **PAGE 4** Kākā aviary progress

PAGE 5 Visitor Centre Enhancement Plans

PAGE 6 & 7 School visits to the Sanctuary

PAGE 8 Donations and gifts to the Sanctuary

PAGE 9 Seen and heard in the Sanctuary

PAGE 10

Glowworm tours return and guided walks Fourism Export Council visits the Sanctuary Purchase of defibrillators gets closer New staff

PAGE 11

Upcoming events /ideos profiling Sanctuary volunteer teams Beech Glade Music Series Your upholstery skills are needed!

> PAGE 12 NBS - major sponsor profile

> > PAGE 13

Supporter profiles: Bowater Motor Group SeeReed Visual Communications Wine, Art & Wilderness

PAGE 14

COVID19 policy update/changes Volunteers wanted Sanctuary opening hours April & May Supporter numbers

PAGE 15 Endemic species profile kārearea | New Zealand falcon



KEEPING YOU INFORMED

TĒNĀ KOUTOU KATOA FROM OUR CHAIR

Taking advantage of the settled late summer weather recently paid an overdue visit to the Sanctuary with a friend, who despite living in Nelson for many years, had never visited the Sanctuary previously.

As I anticipated, my friend was delighted with his visit. Following our walk through the Sanctuary he commented on the polite, courteous staff he encountered, and the grandeur of the Sanctuary itself. A casual comment he made struck a chord with me, 'this sanctuary is made for everyone'. What he was referring to, was the very high standard of The Loop. The track is 'comfortable' walking, suitable for wheel chairs, with safety rails in place virtually all around a very picturesque part of the Sanctuary, with the sounds of the Brook Stream and our native birds accompanying us. I did comment we have folk with impaired vision along this track quite often, and that they 'see' and experience the Sanctuary in a slightly different way, through listening intently to the river song intermingled with bird calls, through smelling unique bush make-up and feeling the earth and native bush." We've also hosted people from the Deaf community experiencing the Sanctuary through sight and communicating about it through New Zealand Sign Language.

This Sanctuary is for sharing with all people, all ages, able to be experienced by folk with a wide range of senses, mobility and abilities.

This Sanctuary is something unique for a region of our size; a 10-minute drive from an urban city centre. Not many regions have what we have, along with this ability to share and experience across all ages and abilities.

There are still many people within this region who have not experienced the magic of the Brook Waimārama Sanctuary. I urge you to encourage them to discover our Sanctuary wonderland so close to home. We will be holding our next open day on 10 April: bring that friend or acquaintance along to see for themselves the beauty of our Sanctuary.

This edition of eNews is brim full of exciting news of what's happening in the Sanctuary and highlighting the time and hard work put in by our dedicated volunteers, staff and supporting members – I am in constant awe of all of them!



Happy reading! Ngā mihi Chris Hawkes, Chair BWST

The Brook Waimārama Sanctuary, PO Box 744, Nelson 7040 Office: 03 546 2422 | Visitor Centre: 03 539 4920 | info@brooksanctuary.org.nz www.brooksanctuary.org.nz

INTRODUCING OUR NEW PATRON - LOU SANSON

The Brook Waimārama Sanctuary is pleased to announce that Lou Sanson QSM has accepted the position of BWST patron.

Some of you may recognise Lou as the former Director General of the Department of Conservation, where he led a significant change in the department's commercial focus through the international tourism boom years of 2014-2020. This included introducing novel approaches to extracting commercial value from visitors to New Zealand's outstanding natural assets including differential fees, compliance, international visitor levy, resource rentals.

Lou led changes to the Department of Conservation strategy and operating models to attain the Randstad Award for the most attractive employer in New Zealand for five years in a row and number four in New Zealand's Public Sector Reputation Index. He has a deep understanding of science and technology and the ability to utilise these together to achieve significant environmental outcomes. Lou is highly skilled in organisational design, operating systems and an acknowledged leader in health and safety at the heart of culture.

Lou's particular skills in working with philanthropic and commercial partners (Air NZ, Fonterra, Meridian, Genesis, Fulton Hogan) have attained win-win ESG Leadership outcomes for New Zealand and commercial entities where our natural resources sit at the heart of our economy.

Throughout his 40-year career, Lou's work has had a big environmental focus with extensive leadership experience in the natural resources sector. Trained as an Environmental Forester he has achieved a distinguished career leading and transforming two of New Zealand's most iconic organisations, Antarctica New Zealand, and the Department of Conservation. Through extensive international diplomacy and strategic leadership, he led the New Zealand Antarctic Research programme to being acknowledged as one of the top five programmes in the world from a strategic influence perspective.

Lou has also played a critical role in the establishment of the NZ Predator Free movement and establishment of Predator Free 2050. He has strong associations with all of NZ's fenced Predator Free sanctuaries, so is a fantastic fit in helping to ensure the success of the Brook Waimārama Sanctuary. Lou brings with him exceptional collaboration and relationship skills thanks to his extensive track record in environmental and tourism sector leadership.



Lou has a Bachelor of Forestry Science (Hons) and was top graduate at University of Canterbury. He has completed a number of executive development programmes at Harvard University, Stanford University, Australia – New Zealand School of Government and New Zealand Institute of Strategic Leadership. In the 2015 New Years' Honours list he was awarded the New Zealand Antarctic Polar Medal (APM) for services to Antarctic science and diplomacy.

Lou visits Nelson regularly, in the coming months we will organise meetings for supporters, volunteers, staff and trustees to meet with Lou.

KĀKĀRIKI KARAKA TRANSLOCATION UPDATE

The Sanctuary welcomed a third tranche of kākāriki karaka (orange-fronted parakeet) in February, followed by a fourth tranche of birds this week. In total, 84 birds have now been translocated into the Sanctuary from the Isaac Conservation and Wildlife Trust in Christchurch.

The Department of Conservation has confirmed a fifth translocation of kākāriki karaka is planned for April which should take their number in the Sanctuary to ~100 birds, making the Sanctuary population of this endangered species one of the largest in the country.

As well as the conservation and ecological significance, the translocation of the manu (birds) is culturally significant as kākāriki karaka are a taonga species and the birds are being transferred outside of the Ngāi Tahu takiwa. Both sending iwi (Ngāi Tahu) and receiving Te Tauihu iwi will act as custodians for the birds indefinitely.

The first three translocations were great successes, and we are expecting the same for the last two translocations. At least eight nesting sites have so far been confirmed.

LOVE IS IN THE AIR!

We are also very pleased to see that one of our kākāriki karaka, Floyd, who arrived with the first cohort of birds, made the most of the Valentines Day! He was spotted courting a young female in the upper reaches of the Sanctuary. There



have already been sightings of some nesting activity, which could be a significant win for the kākāriki karaka translocation program.

SUCCESSFUL KĀKĀRIKI BREEDING CONFIRMED

We have recently received confirmation that kākāriki karaka within the Sanctuary have successfully raised fledglings with the sighting of the bird below. The photos below were taken by Sanctuary volunteer Sean McGrath on 16 March, they show a young un-banded fledgling (identified by its feather development).



Photo credit: Sean McGrath



KĀKĀ AVIARY PROGRESS

We are making steady progress with the kākā translocation aviary project. Our request to DOC for kākā translocations to the Sanctuary has been accepted with formal approval gained 25 March 2022. We aim to source kākā fledglings that are genetically linked to the Te Tauihu (top of the south) region. This means finding suitable birds available to the Sanctuary will take some time. In the interim, the construction of a holding aviary was planned in 2020, building started in 2021 and the volunteers aim to complete the construction and planting in 2022.

We were fortunate to receive \$25,000 from the Stout Trust and a further \$10,000 sum from a Sanctuary supporter, Addo and Ina (deceased) Mulders to go towards the project, along with smaller donations (some time ago) from Peter Williams and Candy Gillies towards aviaries.





Volunteers hard at work threading the mesh onto the structure. D. Garnett



The aviary is taking shape. Mesh and planting to be completed. Photo credit: Don Fraser



VISITOR CENTRE ENHANCEMENT PLANS

This project aims to improve the ticketing reception and administration offices at the Sanctuary.

- The new centre will create:
- more floor space for visitors and staff
- additional, quality presentation space for visitor information
- better facilities for volunteers including a break room
- more storage options.

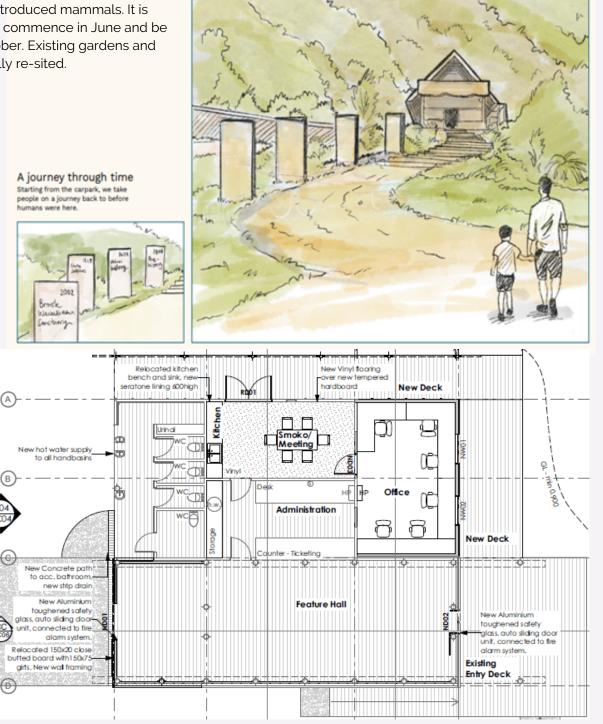
We also want to present the front entrance to the Sanctuary in a way that can cater for increasing visitor numbers and to take visitors back in time to a New Zealand with no introduced mammals. It is hoped that building will commence in June and be completed by late October. Existing gardens and plantings will be carefully re-sited.

FUNDING IS STILL NEEDED FOR THIS PROJECT

Last year we received a grant of \$63,880 from Simplicity Trust for this project, which together with a contribution of \$26k from Platinum Asset Management in Australia has been set aside for the Visitor Centre enhancement project. This year we have received a donation of \$15,000 for solar panels for the roof of the Visitor Centre from a donor who wishes to remain anonymous.

We are seeking further financial support toward this important project.

For anyone who wants to help, please contact: info@brooksanctuary.org.nz.



SCHOOL VISITS TO THE SANCTUARY

Despite the nation being at the red COVID19 traffic light setting, schools are still visiting the Sanctuary; outdoors masks are not required for students.

In recent weeks, we have hosted visits from Victory Primary School, Stoke Scouts, Stoke Montessori, Hope School, Appleby School and Saint Paul's Catholic School in Richmond.

Pictured below, children from Saint Paul's observing bellbirds.



If you'd like to arrange a visit to the Sanctuary for a group of school age children, go to the enquiry form on our website to send through an enquiry, click >>><u>here</u><<< to access the form.









SCHOOL VISITS TO THE SANCTUARY

Late last year the BWST education brochure was sent to all schools in the Nelson | Tasman region, and further afield to schools in Marlborough. We hope that many of them will consider adding the Sanctuary into their outdoors curriculum from 2022.



We will be adding more content to the education section of the website soon.

MORE CLOTHING FOR STAFF AND VOLUNTEERS

Earlier this month we received more MACPAC clothing (long pants) for staff and volunteers. This follows the donation of base layer tops from MACPAC prior to Christmas. In total, MACPAC have gifted the Sanctuary clothing with a retail value of over \$12,000, and all this is in addition to a donation of \$10,000 in cash received in October last year.

Our thanks to Pen Turnbull and the other folks with MACPAC for this generous support.

CORPORATE SPONSORSHIP

Our thanks to Summerset Group for their sponsorship renewal.

Thanks also to Rezource Ltd (they sponsored the Early Bird Breakfast held in the Beech Glade Classroom on 15 March), and to the Bowater Motor Group and BECA Ltd for their sponsorship of the Sanctuary Open Day to be held 10 April.

LIFE TIME SUPPORTER SUBSCRIPTIONS

In November last year, we launched a new category of Sanctuary supporters with the introduction of (individual) life time supporter subscriptions for \$2,000. The one-off payment helps the Sanctuary by raising funds immediately for current projects and expenses, rather smaller payments spread over many years. Life time supporters receive free entry to the Sanctuary – forever! (On days/times the Sanctuary is open to the general public.) Life time supporter subscriptions are NON-TRANSFERABLE and NON-REFUNDABLE, and can be purchased via the website <u>here</u>.

We're delighted to report that so far we have sold lifetime supporter subscriptions to five individuals - our thanks for their generous support.



Peter & Kathy Jamieson with their life time supporter subscription certificates, presented by Ru Collin in February.

DONATIONS RECEIVED SINCE JANUARY 2022

We would like to acknowledge and thank the many individuals who make regular donations to the Sanctuary. We have people making one-off, weekly, monthly, six-monthly and annual donations. Every single one of these donations is most sincerely appreciated.

Recent donations include funds from SKAL Te Tauihu towards the purchase of defibrillators for the Sanctuary, and donations from Athletics Nelson, Pics Really Good Peanut Butter and HotHouse Creative.

We've also received donations for specific purposes which include our education work, the purchase of monitoring cards, the installation of solar panels on the visitor centre roof, for a special Sanctuary event to be announced at a later date, and for the kākā translocation project.

DONATIONS REBATES

Want a hassle-free way to sort your tax deductible donation rebates? Our partner, Supergenerous, makes it super simple to claim your donation rebate, to regift it if you chose AND at the same time donate a further \$5 (from Supergenerous) to The Brook Waimārama Sanctuary.

They're a Kiwi platform simplifying the process for claiming and regifting donation tax rebates. No more tracking every donation you make or manually uploading receipts with the IRD. And for every new Sanctuary donor who signs up in March, they'll also donate \$5 to The Brook Waimārama Sanctuary!

We already think your generosity is awesome, and by donating your rebates to us, it means you can extend that generosity even further, so we can continue to return nature to Nelson.

All you need to do is sign up, list who you've given to, enter your details (like your IRD number) and for a small fee they'll do the rest of the admin for you.

Don't forget to use our promo code below to redeem the \$5 donation to supercharge your giving this year. **Promo code: sg5-THEB832**



SIGN UP NOW <u>www.supergenerous.co.nz</u> View terms of the \$5 sign up promotion here.

FUNGI GALORE!

If you've been following our Facebook page, you might have seen some great and varied fungi photographs taken by Sanctuary supporter Rebecca Bowater. Our thanks to Rebecca for sharing her terrific photos with us, here's a tiny sample.

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 our newsletter, send them to: info@brooksanctuary.org.nz



Fairy inkcap or Trooping crumble cap *Coprinellus disseminatus* © Rebecca Bowater



Squeaking longhorn Hexatricha pulverulenta A native NZ beetle © Amelia Hinton



Cortinarius castoreus © Rebecca Bowater



NZ Easter Orchid *Earina autumnalis* © Rebecca Bowater



Hygrocybe sp. © Rebecca Bowater



Unripened dendrobium orchid seed pods Dendrobium cunninghamii © Rebecca Bowater



Campanella tristis © Rebecca Bowater



Kākāriki karaka Orange-front parakeet *Cyanoramphus malherbi* © Deb Corbett

GLOWWORM TOURS WILL RESUME IN EARLY JUNE

Last year we launched Sanctuary glowworm tours which proved enormously popular, so much so that many people missed out. The feedback on these tours was overwhelming positive, and many people have asked when these tours will be offered this year.

We will be relaunching Sanctuary glowworm tours in early June. They will be on offer at 6.30pm several times a week through to early September, except the weeks either side of a full moon.

The tours are guided by both volunteers and members of staff.

Exact dates will be announced via our website, and our Facebook page in late May. We can take up to 12 people per tour - ideal as a winter treat for your family or colleagues perhaps?

THEMED GUIDED WALKS

Over the next few months we will be trialling several themed guided walks focusing on specific subjects such as, fungi, orchids, Sanctuary heritage features, etc.

Earlier this month we offered a couple of themed walks focussing on NZ native orchids that can be found growing within the Sanctuary.

Once again, we will announce these via our Facebook page and website when these are offered in the coming months.

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This morning we did the guided orchid walk and it was totally amazing. Our guide Erwin shared his extensive knowledge with us so freely and patiently answered our many questions. The sight and the smell of the orchids was quite mesmerising. Found a few intriguing mushrooms as well.

Highly recommended.



Sabine Osthorst 6 March 2022



Photo credit: Andy MacDonald

TECNZ CONFERENCE TO VISIT THE SANCTUARY

In August Nelson hosts a three-day Tourism Export Council New Zealand (TECNZ) conference. This event will feature tourism operators from around the country along with in-bound tour operators.

We're delighted to announce that the Sanctuary will be part of the conference programme with conference delegates invited to a pre-conference famil activity to do a Glowworm Tour on Monday 8 August, and/or to do a post-conference famil volunteering in the Sanctuary for half a day on Friday 12 August.

Both these events will give the Sanctuary significant profile/exposure in the inbound tourism sector as it begins to recover from the disruption of the past two years.

PURCHASE OF DEFIBRILLATORS

In earlier newsletters we've mentioned our fundraising efforts to purchase two defibrillators. We are delighted to announce that we will shortly have sufficient funds to purchase two defibrillators.

Our thanks to everyone who purchased a Christmas raffle ticket, and for donations from Smart Array and SKAL Te Tauihu (SKAL is the largest global network of Tourism Professionals promoting Tourism, Business and Friendship), and most recently a bequest from the estate of Nola Leov, a Sanctuary supporter.

We plan to put the purchased defibrillators into our utes for use in the event someone has sudden cardiac arrest while out in the Sanctuary (as has happened in the past). Our thanks to everyone whose assistance has made this possible.

UPCOMING EVENTS

SANCTUARY OPEN DAY - 10 APRIL 2022

We're holding an Open Day at the Sanctuary in April, this one is being sponsored by the Bowater Motor Group and BECA (one of Asia Pacific's largest independent advisory, design and engineering consultancies).

Due to COVID19 restrictions the decision has been made to reduce the scale of the April 2022 Open Day. The event remains as a free entry day for the public. However, there will not be an activity line up nor will there be our usual marketplace area for food vendors and the likes. We will however, be opening our tracks to the public for free (all day!) and visitors can expect to purchase cold refreshments at the Visitor Centre or have a delicious coffee or bite to eat from our resident food cart, Cheesy Deans. We hope to offer our full Open Day activity line-up in October.



VIDEO INTRODUCTIONS

We have recently finished a series of videos featuring Sanctuary staff and volunteer team leaders. We've made these videos so that people, both inside and outside the organisation, can put faces to names, and learn what these individuals and the volunteer teams they belong to, do within the organisation.

These videos are now available on our 'Volunteer Teams' page on our website. **Click >>><u>here</u><<<.**

BEECH GLADE MUSIC SERIES

Unfortunately, with the COVID19 Omicron outbreak, a few of our highly anticipated events such as the Adam Summer Chamber Music Festival performance at the Beech Glade had to be cancelled.

However, due to such a positive response to this event, we are excited to announce a new seasonal music series that will take place at the Beech Glade from April onward.

Keep your eyes on our Facebook page for more information and announcements, including a link to pre-book your ticket.

CALLING FOR VOLUNTEER HELP AT THE CITY OFFICE

We're in need of help from people with upholstery skills/experience. We're looking for 2-3 volunteers to apply black upholstery to foam pads and put them back on 32 old-fashioned school chairs.





The Sanctuary is in need of a few crafty volunteers to help re-upholster some of our wooden chairs for Sanctuary & volunteer events.

All materials and training provided

Can you lend a hand?

Contact events@brooksanctuary.org.nz



EXHIBIT AT THE NELSON PROVINCIAL MUSEUM

The Brook Waimārama Sanctuary is pleased to announce that we will be partnering with the Nelson Provincial Museum to showcase an educational display which promotes the Sanctuary and highlights our endemic species. This display will be located on the ground floor of the Provincial Museum and is expected to be installed by the end of April. The display will also feature a short video that highlights our conservation journey, and an original taonga pūoro soundscape recorded by Bob Bickerton at the Sanctuary. Be sure to pop by to check it out.

MAJOR SPONSOR PROFILE





In December 2020, NBS became a major supporter/sponsor of the Brook Waimārama Sanctuary.

Howie Timms. General Manager - Commercial and Marketing explains what lies behind NBS' decision to partner with the Sanctuary. 'NBS has an enduring desire to make a positive difference for the communities to which we belong. Our partnership with the Brook Waimārama Sanctuary is aligned to this value in two ways. Firstly, the Sanctuary is striving to create a place where native plants and animals thrive, without threat from introduced pests and predators. And secondly, NBS is now making a conscious choice around how we approach climate change by development of a strategic framework and action plan, which includes supporting local and impactful environmental initiatives. We look forward to a long and mutually beneficial relationship with trustees, staff and all stakeholders who support the Sanctuary.'

Since becoming a major supporter NBS has assisted the Trust by providing almost 70 jackets embroidered with the BWS and NBS logos, and more is planned for 2022 along with substantial sponsorship funds.

Howie, and a number of invited Brook Business Club members, were recently invited up to the Sanctuary to be part of the arrival kākāriki karaka.

Who is NBS?

NBS is a Building Society founded in 1862, offering a full range of competitive and flexible banking services. We're owned by our clients and committed to our communities, looking after the needs of 20,000 clients and managing funds of more than \$1.5 billion. Our focus is to build strong relationships, empower our staff to make decisions based on local knowledge and assist our clients to achieve financial success.



Howie Timms NBS General Manager - Commercial & Marketing



Howie Timms and Ru Collin (BWS Chief Executive)

WE'VE CHANGED BANKS

We've changed banks to community-owned NBS. Our new NBS account number is:

03-1354-0561993-00

Please update your records (especially if you have us saved in your online banking payees list).

SUPPORTER PROFILE BOWATER MOTOR GROUP



What follows below is an excerpt from a recently published history of the Bowater Motor Group.

"The relationship between Bowater's and The Brook Waimārama Sanctuary stretches back many years now, and we are proud to have been associated with such a gutsy, hard fought community project since the early days.

We have been in their corner long before the fence went up, back when it was still a dream, and they were all working very hard to turn it into reality.

They needed to raise large amounts of funds, and raise awareness of the project, so we gave them the long term use of a prime spot in the upper showroom that now houses Bowater Hyundai, Isuzu & Renault. This space at the very busy intersection on the corner of Rutherford and Hardy Streets in central Nelson was ideal, they had great visibility and also the room to hold large fundraising events.

Over the years we have also helped them with their fleet - they now have 3 Toyota Hilux working the sometimes unforgiving steep land that makes up the majority of the nearly 700 hectare sanctuary. We recently dropped off the king of the beasts in the Toyota range, the double cab Toyota Land Cruiser 70 Series. This is the ultimate workhorse and will see them right until their next Toyota Hilux arrives and they can put that to work.

The recent release of 40 endangered tieke (South Island saddleback) into the confines of the 14.4km predator proof fenced area was monumental and hopefully a sign of things to come.

We love what they stand for, and love helping them drive their dream of returning a slice of Nelson back into the majesty it once was."



NEW SPONSOR PROFILE SeeReed

VISUAL COMMUNICATION SeeReed is a small graphic design firm dedicated to providing responsive and personalised design services to a select group of clients ranging from start-ups to large corporates. Having enjoyed many successful business relationships in Nelson since 1995, several loyal clients have been doing business with SeeReed for over 25 years.

Designer Jane Reed supports charitable trusts that focus on the environment and animals. She has supported The Brook Waimārama Sanctuary since the beginning of 2019 by donating her professional design services and volunteering within the Sanctuary.

BUSINESS CLUB PROFILE

Wine, Art & Wilderness

<u>Wine, Art & Wilderness</u> is a locally owned tour business which seeks to educate, engage, and inspire visitors on journeys of exploration with authentic interpretation in our unique natural environment.

Wine, Art & Wilderness provides private or shared wine, nature, and art tours in the Nelson region of New Zealand. Day tours into all three local National Parks make up more than half of our business.

Our tours are leisurely, informal, and designed to cater for all levels of fitness and they are all inclusive and fully catered. Our tours are essentially a soft adventure – enticing, always rewarding, and taken at a relaxed pace. We follow less-travelled routes, providing a spontaneous insight into interesting local attractions, historical and contemporary New Zealand life.

With vast experience in nature conservation and the wine industry, we focus on interpretation and interactive guided experiences, opening doors to introduce the wine & art personalities of Nelson and Marlborough, ensuring visitor expectations are always exceeded.

(L) Tony Bowater of BMG with Rick Field (Sanctuary Educator), Nick Robson (Operations Manager) and Robert Schadewinkel (Ecologist)

COVID19 POLICY UPDATE

Last week, the Government announced a raft of changes to its traffic light settings, which include doing away with the QR code scanning requirements last Saturday, with further changes coming into effect from April 5.

The Sanctuary Trustees have approved an update to our COVID19 policy. From Tuesday 5 April the Sanctuary will welcome all visitors and volunteers, both vaccinated and non-vaccinated to the Sanctuary.

Please note, the requirement for staff, volunteers and visitors to wear a face mask while inside the Visitor Centre, and the requirement to sign the Health & Safety Intentions Sheet when entering and leaving the Sanctuary remain in place.

EARLY BIRD BREAKFAST

The Sanctuary recently hosted its annual Early Bird Breakfast at the idyllic Beech Glade Classroom venue. The event was generously sponsored by Rezource Ltd.

A short 15-minute walk from the Visitor Centre, nestled amongst native bush and plentiful bird song, 40 attendees sipped hot coffee and enjoyed a scrumptious breakfast from Gourmet Beachside Catering. As guests walked to the breakfast venue, they were treated to a surprise taonga puoro performance by Bob Bickerton who was off to the side of the track, unseen by our guests.

The Early Bird Breakfast was a great success and served as a unique opportunity for local business supporters of the Sanctuary to come together, to connect with nature and to help to the Sanctuary in its ongoing work to provide a introduced predator free paradise right on Nelson's doorstep. We were delighted that this event was able to go ahead unhindered by red alert level restrictions. Feedback from attendees was that they enjoyed the opportunity to kick-start their day in a special way while giving back to a cause they believe in.

WANTED WANTED WANTED VOLUNTERS

The Sanctuary is very keen to hear from anyone interested, or even just plain curious, about volunteering in the Sanctuary!

Our track cutting team is especially keen for new members to join their numbers.

View our new volunteers team page on the website to learn more about the various volunteer teams (we have two more teams yet to be profiled - our Visitor Centre Hosts team and our events team).

Click >>><u>here</u><<<

Register your interest in becoming a Sanctuary volunteer by completing the following volunteer sign-up form.

Click >>>here<<<

Contact Sabrina, Volunteer Connector at: volunteerconnector@brooksanctuary.org.nz

SANCTUARY OPENING HOURS IN APRIL & MAY

In April the Sanctuary will be open as follows: 1-17 April, Fri-Sun 9am - 4pm 18-30 April, daily 9am - 4pm

In May the Sanctuary will be open as follows: Fri-Sun gam - 4pm

SUPPORTERS HIT 1,200

Just prior to Christmas we hit our 2021 target of 1,000 paid-up supporters; this number now stands at 1,200 we're aiming for 1,500 by the end of the year (or sooner)!

If you're not currently paid-up, you can become so via the Sanctuary website, <u>click here</u> for more details, or email: info@brooksanctuary.org.nz



Breakfast guests enjoy the location and atmosphere of the Beech Glade.



A moment of collective silence as breakfast guests enjoy the dawn chorus of bird song accompanying breakfast.

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.

KĀREAREA New Zealand falcon Falco novaeseelardiae

The kārearea or New Zealand Falcon is capable of flying at speeds of over 100km/hr. They use their speed, manoeuvrability and keen eyesight to catch birds on the wing. Their main prey are small to medium-sized birds, but they may also take larger prey such as ducks, pheasants, rabbits and hares. At the other end of the scale, they also feed on insects such as cicadas, dragonflies and huhu beetles.

Falcons differ from hawks and eagles in having a tomial tooth on both sides of their beak. A tomial tooth is a small notch on the upper bill, and corresponding divet on the lower. It assists with the bite-and-twist motion used by falcons to kill their prey. Hawks and eagles simply break bones with their more powerful beaks.

An adult kārearea is 40-50cm long. Weighing between 420-740g, females are about a third larger than males, that weigh 205-340g. Both males and females are highly territorial. They live apart through winter, but in spring the male comes courting. His initial advance takes the form of a mock attack on the female. He then encourages her to chase him. Ultimately, the courtship may take a more romantic turn with a manoeuvre called a 'pass'. During a pass the male and female fly straight towards each other, the male with a kill in his talons. Just before they are about to collide, both falcons roll outwards, their talons touch and the kill is transferred.

Kārearea do not build nests, but instead create a 'scrape' on the ground, a cliff ledge or on an epiphyte in a tree. Clutch sizes vary from 1-4 eggs. Incubation is shared. After about 33 days the eggs hatch. The female then does most of the brooding while the male hunts for food, passing it to the female mid-air, either foot-to-foot or dropping it for her to catch. Chicks fledge when 32-45 days old and become independent between 75-124 days. Juveniles can be distinguished from adults in having blue-grey instead of yellow legs.



Threats to kārearea include predation by introduced mammals; habitat loss and degradation; trapping, shooting and poisoning by people; collisions with cars and windows; and electrocution from un-insulated power lines. They are thought to number 5000-8000 and are a protected species. We are lucky to have resident pairs of kārearea within the Brook Waimārama Sanctuary. As native predators, they are an important part of the forest ecosystem.

Katherine Chamberlain 5-Minute Bird Count Coordinator

