



Kiwi Coast Annual Report 2022

Kiwi Coast Trust, July 2022



Report prepared by Ngaire Sullivan, Kiwi Coast
Coordinator, July 2022.

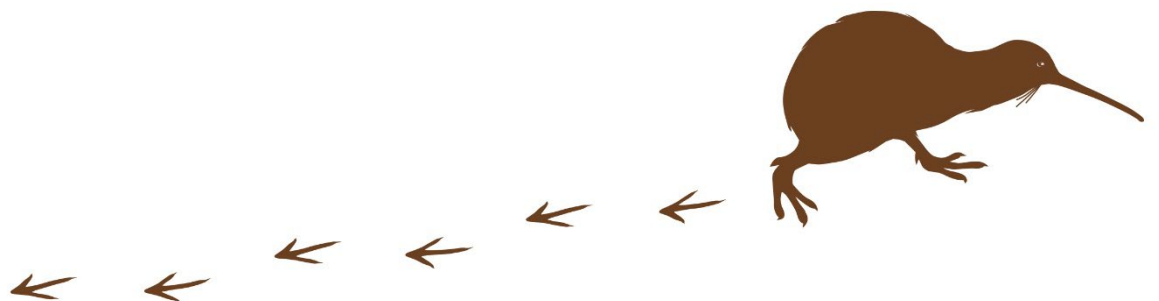
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Executive Summary

This Annual Report presents key activities and achievements from the ninth year of operation of the Kiwi Coast from July 1, 2021 – June 30, 2022. A summary of achievements to date against Key Performance Indicators, Objectives and Goals identified in the [Kiwi Coast Trust Strategic Plan](#) is also provided.

It has been an unusual year for the Kiwi Coast Trust. The “twindemic” of Covid-19 and flu effected many Kiwi Coast activities and events over the past 12 months. Despite these challenges, Kiwi Coast Coordinators and specialist contractors continued to provide support to help foster, link and grow community, hapū and iwi -led pest control and forest recovery across Northland.

The health and safety of Northland communities and Kiwi Coast contractors remained paramount at all times. Work flows mirrored Covid waves of peaks and troughs, with many events cancelled or repeatedly postponed. For the first time, no public kiwi releases were held (except for the release of rehabilitated injured kiwi). Despite these challenges, much was achieved and a further 22 skill building workshops were able to be held, taking the nine-year total to ninety-eight. This included the annual Regional Pest Control Workshop, which was held as an online “zui” for the first time, and involved local, national and international presenters and participants.

Despite Covid hampering the ‘start-up’ meeting of a few new community projects, the momentum of Kiwi Coast did not slow and the work of the many projects involved did not stop! Over the past year, a further 23 projects linked into Kiwi Coast, taking the total involved in the collaborative initiative to 210. The collective area managed by these groups and projects increased from 225,000ha in 2021, to 241,000 ha in 2022.

Collation of trap catch data for the ninth year in a row demonstrated both the determination of Northlander’s to continue their projects during these trying times and the strength of Kiwi Coast’s collaborative approach. A record 99,126 animal pests were trapped across the Kiwi Coast last year, taking the grand tally to 591,584. On average, over 1,900 animal pests were trapped on the Kiwi Coast every week.

Acknowledgement of the hard work and phenomenal results being achieved by projects linked into Kiwi Coast continued to be championed via a raft of communications, media, presentations and events. A particular highlight of the year was the inaugural Kiwi Coast ‘Outstanding Group or Project Award’ offered for the first time as part of the NRC annual Whakamānawa ā Taiao – Environmental Awards and won by Bay Bush Action Trust.

A total of 19,268 people have attended Kiwi Coast supported events and workshops over the past nine years. These events were also prime opportunities to deliver key messages around kiwi recovery and the importance of effective predator control and good dog control for kiwi survival.

During the financial year, two multi-year funding agreements were secured continuing a firm base of support for Kiwi Coast operations. These included a three-year funding agreement with Foundation North and the signing of another five-year partnership with the Northland Regional Council (NRC). Additional funds from sponsors and supporters were gratefully received and assisted with key projects including the Freemasons sponsored mobile phone-trail cam field trial.

Kiwi Coast remains committed to enabling, supporting and connecting community, iwi and hapū led conservation projects across Northland.

Continuing to create wildlife-friendly corridors via landscape-scale pest control networks across Northland will not only allow tāonga species such as kiwi to roam and disperse in safety, but also safeguard against the effects of climate change and ensure our native forests and wildlife can thrive into the future.

Chairmans Report

Tēnā koutou

It's a privilege to be part of the Kiwi Coast initiative, and I offer a special thanks to my fellow Trustees, our Trust Coordinators, our Administrative and Technical Assistant, and the wide community of kiwi supporters and partners.

By rotation Dr John Craig stood down as Chair last December and willingly remains one of the Trustees. We are indebted to John for guiding the Trust through the first three years of operation, and we benefit immeasurably from the lifetime of experience he brings to the endeavour.

In May we welcomed Ira Seitzer as a fifth Trustee. Ira is of Te Rarawa descent and together with Irene Durham and Jane Hutchings gives the Trustees a special balance of diversity and gender. Our Trust rules allow for six Trustees, and we will look to making that appointment when the appropriate person surfaces.

It is however the skill, drive and commitment of the Kiwi Coast Coordinator, Ngaire Sullivan, ably assisted in the Far North by Lesley Baigent, and Mid North Coordinator Andy Mentor, that interpret and direct the guidelines developed by the Kiwi Coast Strategy Group. The addition last year of Wendy Ambury as our Financial Administrator and Specialist Technical Support completes this matrix, and we are privileged to have such a capable, dedicated, responsive and willing team guiding the direction and management of the Trusts objectives.

These activities have been made possible by the generous ongoing support of our funders in particular Foundation North and the Northland Regional Council.

Working under the strictures of Covid has been frustrating and trying for all. Yet despite that, as can be seen from the Annual Report, significant advances have been made in joint partnerships throughout Northland, and with the advent of Predator Free 2050, overall, an increasing demand exists for the roll of Coordinators to facilitate the various projects that have been proposed to develop, and to ensure they deliver on their promises. We 'll watch that space with interest.

In the meantime, kiwi numbers continue to increase and we see more and more gains in our native biodiversity throughout the region.

Ngā mihi nui ki a koutou – huge thanks to you all,



Mike Camm
Kiwi Coast Chairman

KIWI COAST

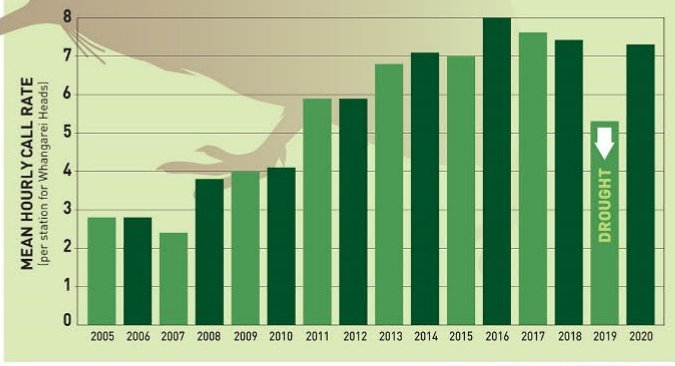
- 210 GROUPS**
- 291km COASTLINE**
- 241,000 ha ACTIVE MANAGEMENT**

Helping Northland Kiwi Thrive



Call data shows that **KIWI** in managed areas on the Kiwi Coast are **INCREASING**, bucking the national trend of 2% decline.

One longstanding community project (Backyard Kiwi) have increased their kiwi numbers over 20 years from 80 to over 1000.



Northland is better off with **591,584** animal pests **GONE!**

- 248,586 possums
- 230,738 rodents
- 33,929 pest birds
- 23,975 hedgehogs
- 20,742 wild rabbits
- 17,647 mustelids
- 7,374 feral cats
- + 8,593 other pest species

These figures show pests trapped by Kiwi Coast groups and projects over the past 9 years. For annual figures, go to <http://www.kiwicoast.org.nz/kiwi-protection/>

WE SUPPORT KIWI COAST GROUPS WITH...

Predator Traps	Professional Trappers	Kiwi Events	Monitoring	Skill Building
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Strategic Approach

The Kiwi Coast Trusts 5-year Strategic Plan (2017) confirmed its commitment to the following:

- Building capacity and capability across Northland's community-led conservation projects to sustain the current upward trend of kiwi populations.
- Increasing successful kiwi dispersal and movement between distinct populations through establishing linked collaborative predator trapping and social networks.
- Maintaining a high level of communication to celebrate kiwi as a tāonga and engage further communities, iwi and hapū in caring for kiwi.
- Holding live kiwi events and skill building workshops to empower active kaitiakitanga/stewardship to protect and nurture Northland's biodiversity for future generations.
- Exploring new ways of resourcing community-led conservation.
- Building the resource capacity of the Kiwi Coast towards financial sustainability.

Kiwi Coast Coordinators

Kiwi populations are linked through connecting people, projects and places across Te Taitokerau. Kiwi Coast Coordinators work on-the-ground to help support, enable and sustain the groups and projects involved, teaming up with specialist Northland contractors to provide extra support as needed.

While the work varies and continues to evolve, over the past year Kiwi Coast Coordinators have assisted with:

- Coordinating and enabling hapū, iwi and community-led pest control, native species recovery and dedicated kiwi projects.
- Providing on-the-ground support and technical advice for existing projects and assisting new groups to start.
- Supervising contracted professional predator trappers and coordinating the Trapper Mentoring Program.
- Liaising with key organisations, businesses and government agencies.
- Where appropriate, preparing submissions on statutory plans and processes.
- Coordinating the Kiwi Coast monitoring program, including fieldwork and data analysis.
- Organising Kiwi Coast skill building workshops and kiwi events as well as supporting other community events.
- Facilitating community meetings and workshops.
- Communicating community stories, successes, innovations and ideas to help share information, transfer knowledge and encourage communities to learn from one another.



Kiwi Coast Trust, Strategy Group and Guests, The Landing, 2021. Photo: Dean Wright

Health and Safety

Kiwi Coast has maintained *Sitewise* accreditation over the past year with the annual re-assessment due at the end of 2022.

The “twindemic” of Covid-19 and flu affected many Kiwi Coast activities and events over the past 12 months. However, the health and safety of Northland communities and Kiwi Coast contractors remained paramount at all times and many events were repeatedly rescheduled or postponed until conditions were safe to continue.

Kiwi Coast Coordinators completed Workplace Assessments and Chemical Inventories for both the Whangarei and Bay of Islands storage sheds containing pest control equipment, including hazardous materials. Hazard Identification and Risk Management forms were completed in conjunction with site hosts at all events led by Kiwi Coast.

Kiwi Coast Coordinators continued to work with contractors to maintain health and safety procedures in day-to-day work and support their accreditation to *Sitewise*. This helped to ensure high quality operations across the board, allowed the sharing of new hazards identified and promoted continuous improvement in work safety practices.

Incidents reported by Kiwi Coast contractors during the year were logged and raised for corrective and preventative action. Wasp sting incidents were once again the most frequent incident raised. Where relevant, incidents were followed up to assist with preventing reoccurrences or minimising the effect.

Thanks to subsidised courses offered by Volunteering Northland, Kiwi Coast Trust was able to resource First Aid training and certification for key contractors and as requested by community-led projects. Protective clothing including branded sunhats, beanies, high-vis vests and work shirts have been provided by Kiwi Coast to key contractors to supplement their own equipment.



Financial Summary

Kiwi Coast Charitable Trust continued to both seek and generate funds to enable Northland community and hapū-led kiwi recovery and pest control projects.

Two multi-year funding agreements were secured over the last 12 months, providing a firm base of support for Kiwi Coast operations. These included a three-year funding agreement with Foundation North and the signing of another five-year partnership with the Northland Regional Council (NRC).

Additional funds from sponsors and supporters were gratefully received and assisted with key projects including the Freemasons sponsored mobile phone-trail cam field trial. (See Appendix 1 for a Financial Summary).

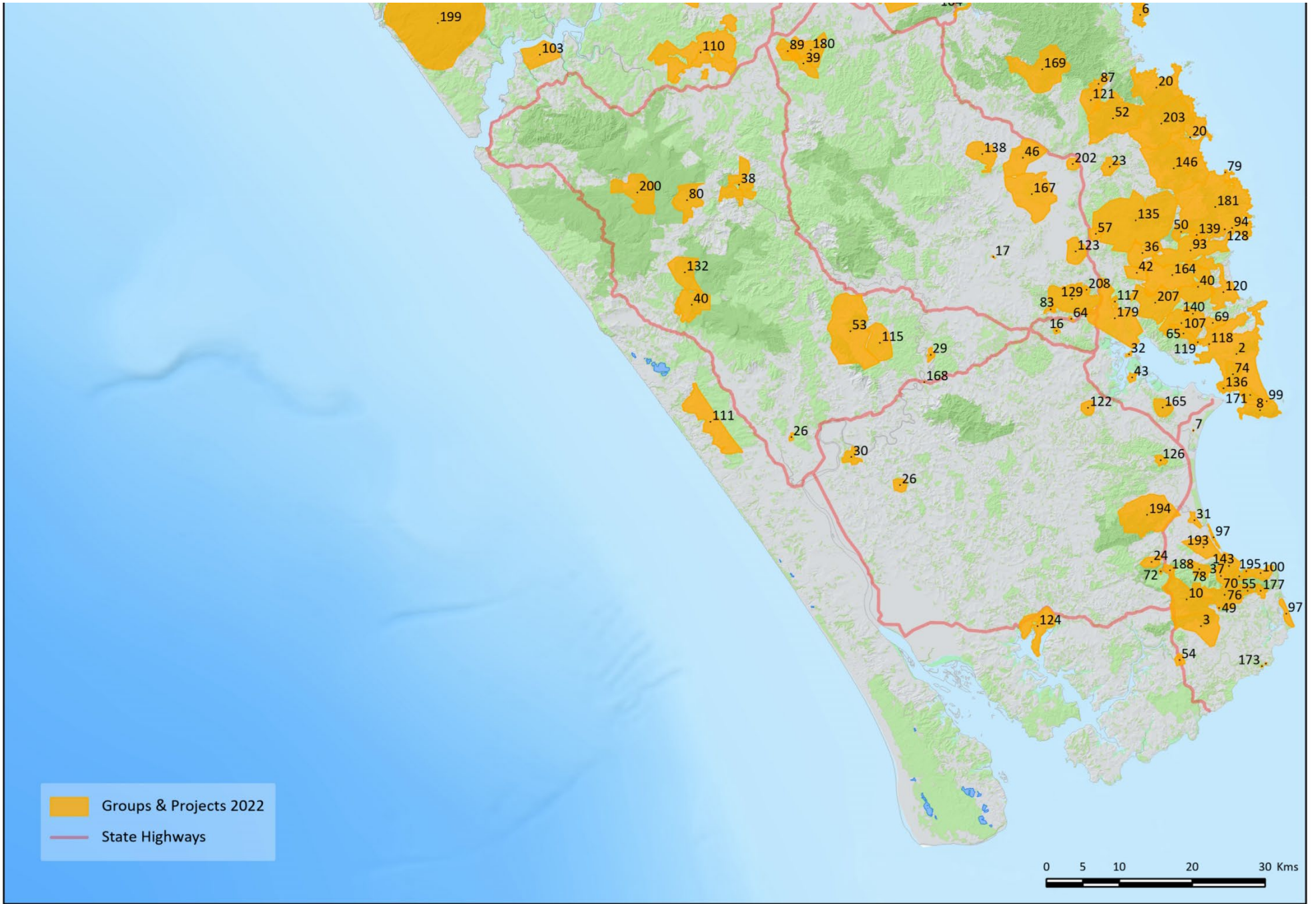
Fundraising merchandise and the growing 'Follow a Kiwi' sponsorship scheme continued to build the Trust's base of independent funding for the Kiwi Coast.

Entities Collaborating in Kiwi Coast

Despite Covid hampering the 'start-up' meeting of a few new community projects, the momentum of Kiwi Coast did not slow and the work of the many projects involved did not stop! Over the past year, a further 23 projects linked into Kiwi Coast, taking the total involved in the collaborative initiative to 210. The collective area managed by these groups and projects increased from 225,000ha in 2021, to 241,000 ha in 2022 (See Appendix 2).



Malcolm Nicholson (NRC CEO) and Mike Camm (Kiwi Coast Trust Chairman) signing the new Five-Year Partnership Agreement
Photo: Malcolm Pullman



Map 2: Groups and Projects Linked into Kiwi Coast, 2022. See Appendix 1 for Project Names. Map: Biospatial

Predator Control

Kiwi Coast enables and links grassroots pest control to ensure native forests and wildlife can flourish.

Supporting community leaders to coordinate pest control and kiwi recovery in their areas ensures projects retain autonomy and helps each individual project continue long into the future.

Kiwi Coast collated trap catch data for the ninth year in a row to show the collective impact being achieved across Northland. This year 159 Northland projects, groups, and organisations submitted data that showed 99,126 pests were collectively trapped in 2021 alone.

The grand tally for the past ninth years has now reached 591,584 pests. On average, over 1,900 pests are now trapped every week.

These results not only demonstrate the sheer hard work and scale of effort, but also generate a sense of pride and mana in the work being done and the results achieved. It helps to show that individually, groups are achieving great results, but together they are achieving something truly phenomenal.

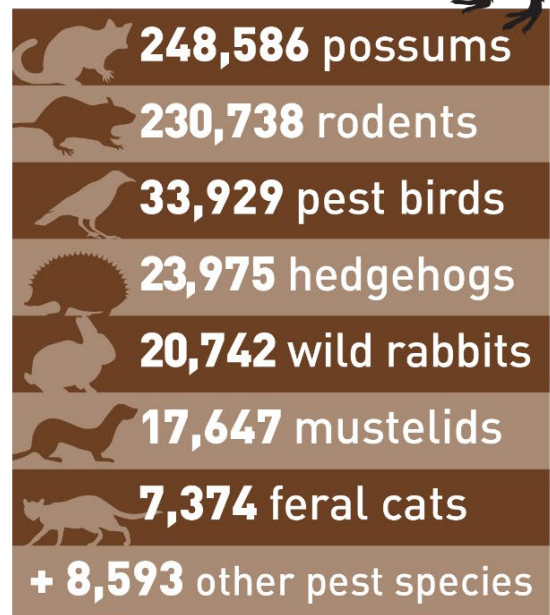
The Kiwi Coast also supported and assisted projects to carry out pest control operations aimed at reducing trap-wise predators through the use of toxins with secondary poisoning effects.

In line with the Kiwi Coast Strategic Plan (2017) Kiwi Coast supported predator control in key areas to link distinct projects and create continuous trapping networks across the landscape that boost kiwi survival and allow their safe dispersal into new areas.

A new working relationship with the NRC Predator Free team led to additional Kiwi Coast support to help coordinate and boost the 60,000ha predator control zone in eastern Whangarei and amplify the Pest Free Purerua Project.



Northland is better off with
591,584
animal pests
GONE!



These figures show pests trapped by Kiwi Coast groups and projects over the past 9 years.

For annual figures, go to <http://www.kiwicoast.org.nz/kiwi-protection/>

kiwicoast.org.nz

**KIWI
COAST**

Kiwi Coast Activities

Kiwi Coast Coordinators again provided support to help foster, link and grow community, hapū and iwi-led pest control and forest recovery across Northland.

Three key areas were targeted for specific support during the 2021/22 financial year with dedicated Kiwi Coast Coordinators: the Far North, Mid North-Bay of Islands, and Whangarei Heads – Tutukaka Kiwi Corridor.

In addition, specialist Northland contractors assisted projects across the region with specific tasks including outcome monitoring, financial administration systems, technical advice and mapping.

Far North

Lesley Baigent continued as the dedicated Far North Kiwi Coast Coordinator, assisting new projects to get up and running, as well as providing further support to established groups.

Key activities included providing pest control supplies to projects, encouraging the sharing of skills, and enabling opportunities for education and community capacity building. Strengthening relationships and networking between existing community, iwi and hapū-led projects, agencies and organisations in the Far North continued to be key. This assisted groups with building collaborative pest control networks across large areas in the Far North, and into the Mid North.

Although Covid restrictions prevented large gatherings and school visits, more people spending more time at home during the last year appears to have inspired fresh appreciation of nature and given people more time to look after it. The resulting increased trap catch data for the Far North will have benefited a wide range of native flora and fauna.

A number of new community-led projects started up across the Far North over the last year, mostly smaller ones, but all with lots of potential and some amazing, keen people. The Regional Pest Control Zui reached many people and increased requests for traps and advice came in as a result.

Three kiwi required rescue and rehabilitation during the year – a stressed kiwi chick at Puketotara whose clutch-mate had been killed by a dog, an extremely dehydrated, skeletal chick on the Purerua Peninsula, and an adult kiwi found on the side of the road. Both kiwi chicks required a long journey to the Whangarei Native Bird Recovery Centre for treatment, but unfortunately

only one survived. These events highlighted the need for a dedicated Bay of Islands kiwi rehabilitation centre so that injured kiwi can be treated closer-to-home. Plans are currently being explored to progress this, including permit applications, costings and building plans.

Once rehabilitated, the release of the surviving kiwi chick and adult back into predator controlled areas provided excellent opportunities to engage the community in kiwi stewardship, enable locals to see a live kiwi up close and improve protective measures such as stoat trapping, raising possum traps off the ground and confirming the importance of good dog control.

The need to urgently address the issue of large numbers of kiwi on small drought-prone islands in the Mid North was identified by DOC over a decade ago. As a starting point, Kiwi Coast has initiated discussions with hapū, Moturoa Island managers and DOC regarding the removal of a selection of kiwi to the mainland and then refreshing the island population with new kiwi – potentially from the Purerua Peninsula. The complex series of permits, approvals and permissions required to action this is now being progressed by the Far North and Mid North Kiwi Coast Coordinators, but will take time.

We also hope to get more involved with Far North hapū and iwi, especially youth, and sow the seeds of the Far North's potential.



Lesley Baigent with Danny the kiwi. Photo: Todd Hamilton, Backyard Kiwi

Mid North – Bay of Islands

The Mid North area completed year four of the NRC High Value Area (HVA) Program, making good gains in community-led and landscape-scale pest control networks.

Kiwi Coast Mid North Coordinator Andrew Mentor co-ordinated the Mid North HVA Steering Group, helped community groups through funding processes and worked with NRC Biosecurity staff to provide technical pest control advice to ensure coordination of effort and effectiveness.

Pest Free Purerua Peninsula

The 'Pest Free Purerua project (<https://pfp.kiwi>), led by Kiwi Coast in conjunction with Save the Kiwi continued operation over the 7,600ha on the northern arm of the Bay of Islands high density kiwi area.

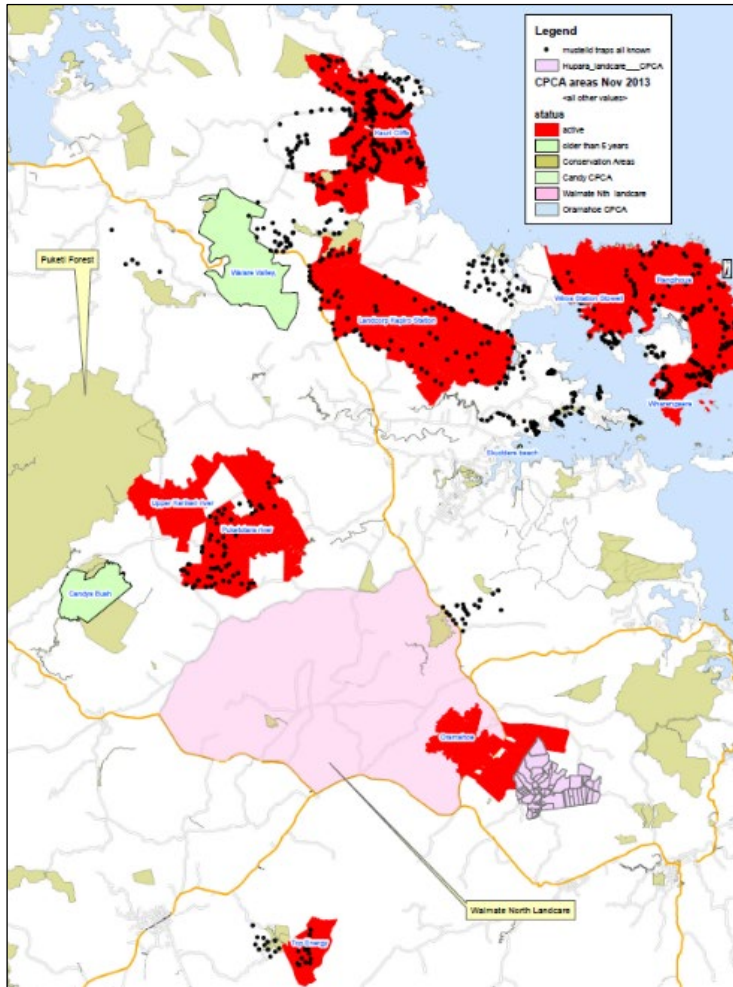
With strong iwi and community support for this pest control project, Kiwi Coast through a grant from the Save the Kiwi Trust and DOC's Jobs for Nature Funding boosted efforts from ongoing pest suppression to a full pest elimination strategy.

The project includes an 8,000ha pest-controlled buffer zone which is also being created outside the peninsula from Kapiro to Rangitane to suppress pest reinvasion on to the peninsula.

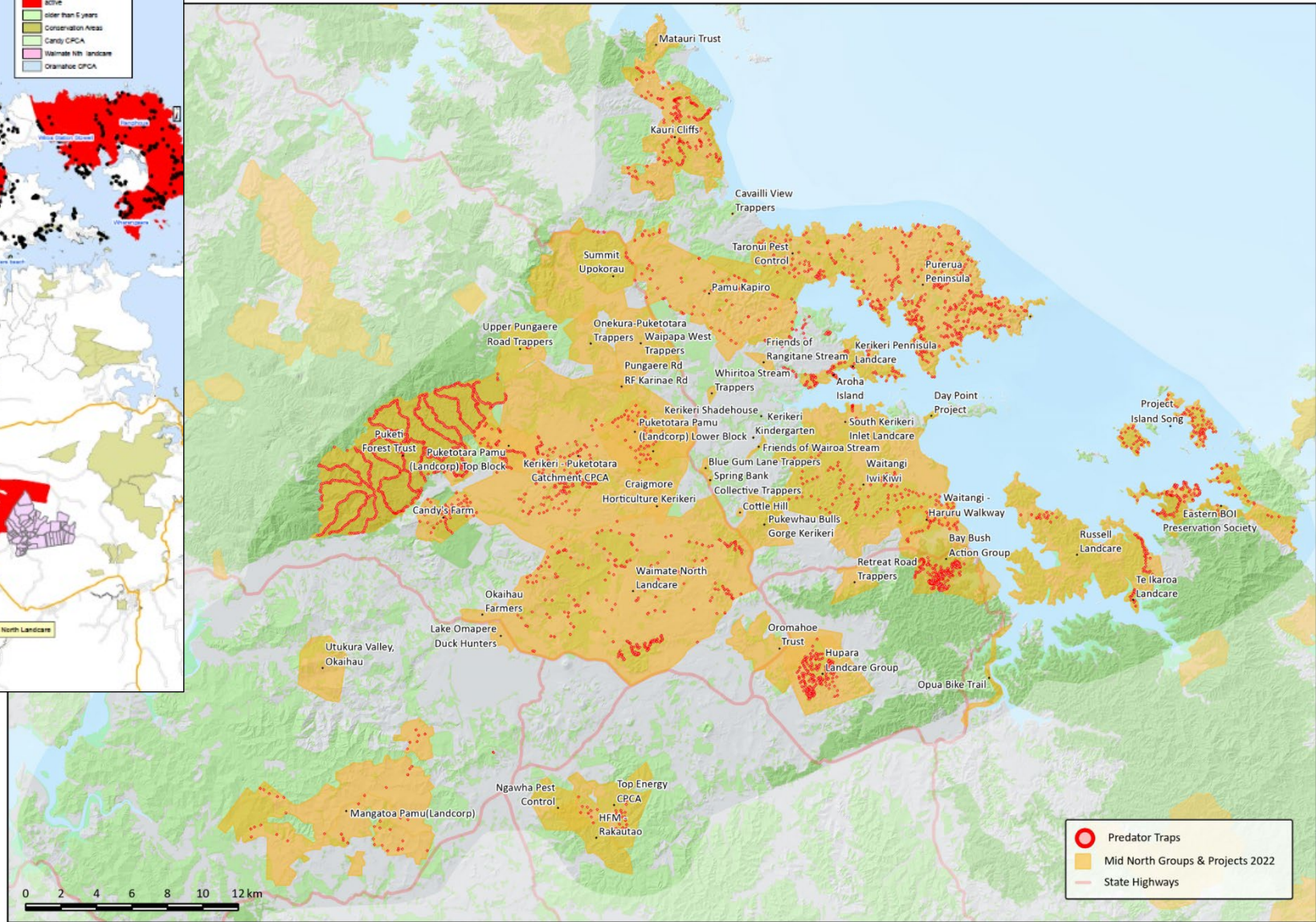
Further detailed information on work in the Bay of Islands and Pest Free Purerua can be found in the Mid North High Value Area Year 4 Report July 2022.



Andrew Mentor demonstrates a weka proofed double DOC 200 stoat trap at the Mid North Professional Trappers Field Trip. Photo: Kiwi Coast



Map 3: Mid North Groups and Predator Traps, June 2013. Map: NRC



Map 4: Mid North Groups and Predator Traps, June 2022. Map: Biospatial

Whangarei Heads – Tutukaka Coast Kiwi Corridor

This is the First Focus area of the Kiwi Coast.

Linking the biodiversity strongholds of Whangarei Heads and Tutukaka with a continuous predator control network, engaged communities and good dog control will enable the safe dispersal and population growth of native species such as kiwi throughout the area. This will create the first functioning part of the Northland kiwi corridor.

Over the past year, community-led projects continued to work together to intensify, expand and link their pest control networks. New predator traps and bait stations were installed into key gaps thanks to additional funds from Predator Free Whangarei, as part of the wider PFW 60,000ha mustelid suppression zone.

Monitoring of kiwi, pāteke and other native forest birds indicates that the landscape-scale pest control network is having the desired result of helping native forests to flourish and wildlife to increase and disperse.



Sandy Bay Kākā, 2021. Photo: Malcolm Pullman

Kiwi Link CPCA – HVA

Kiwi Link entered into a new five-year agreement with NRC in 2021, upgrading to a High Value Area (HVA). The project area has now increased to 15,000 hectares and brings in another community-led project – Glenbervie Landcare.

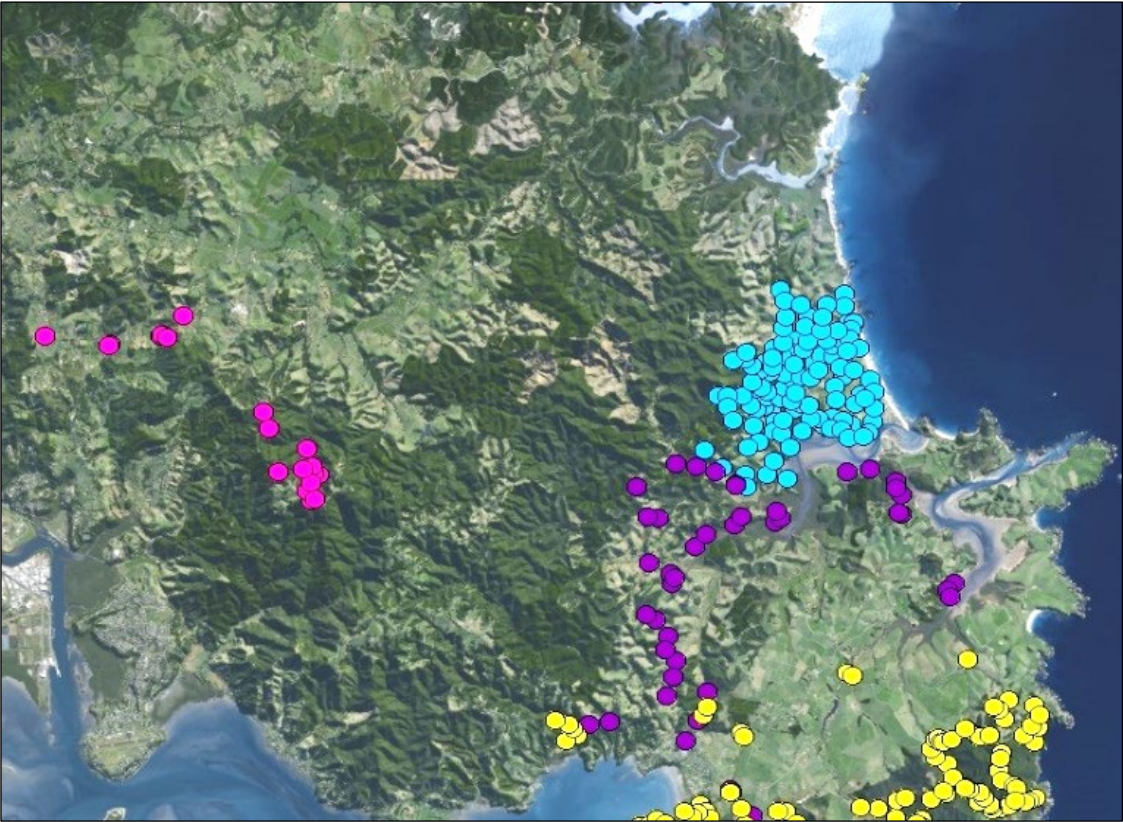
Maps 5 and 6 show how the number of predator traps and community groups between Parua Bay and Ngunguru Ford have increased markedly since 2013 with the support of Kiwi Coast and Northland Regional Council.

The removal of 36,958 roaming animal pests over the past six years has improved forest health and helped to restore birdsong to the once near-silent forests.

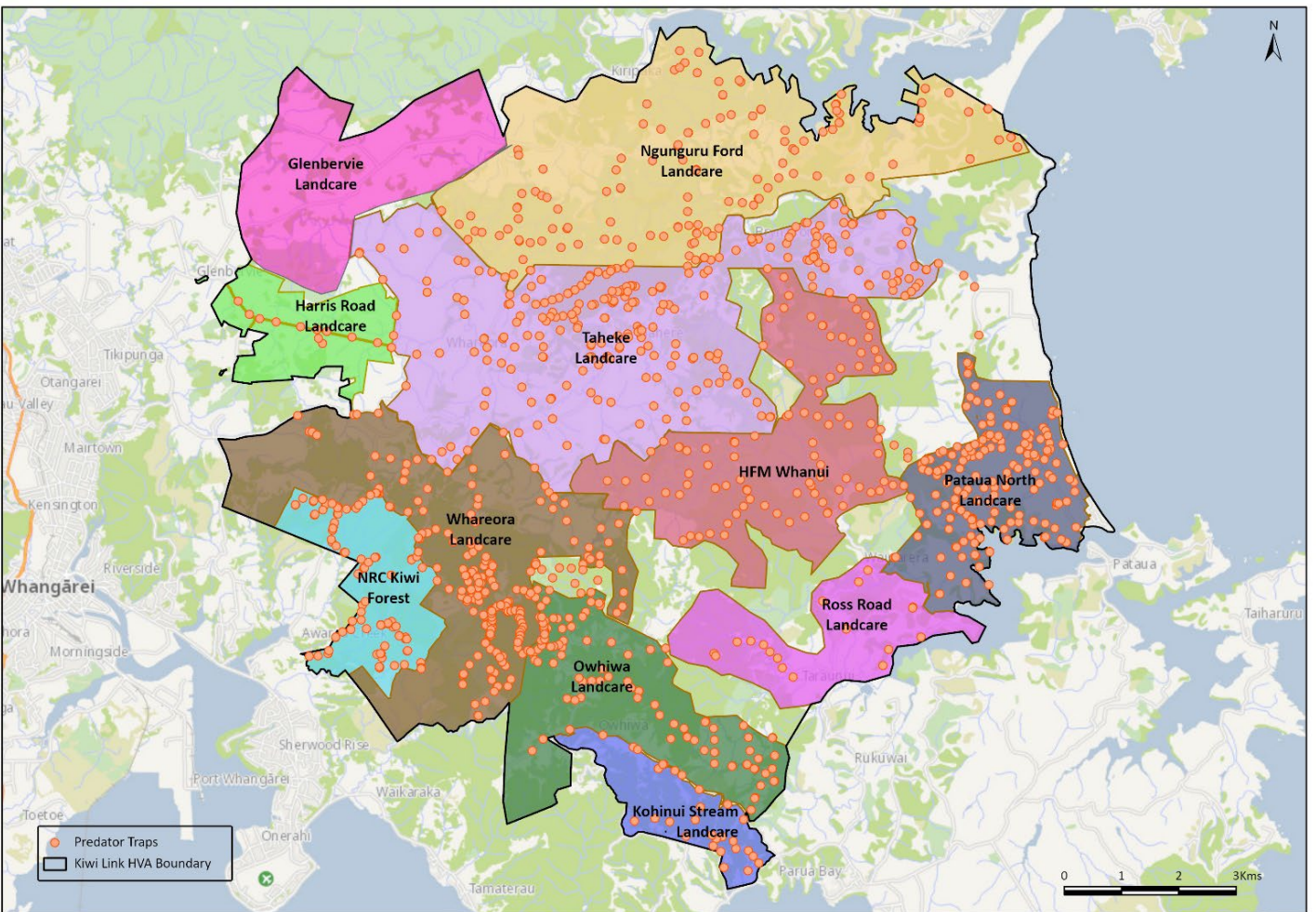
Kiwi are going from strength to strength within the Kiwi Link HVA as evidenced not only by increasing kiwi call rates but also confirmation of a number of new sites with breeding pairs. Additional monitoring data, including pāteke flock counts and five-minute bird counts, also shows upward trends in populations of a range of other native birds. Increasing observations of kākā and korimako / bellbird bring hope that such species will return in strength.

These results can be attributed to the ongoing hard work carried out by the many local landowners and land managers involved. The achievements of the Kiwi Link HVA will also result in a beneficial ‘halo’ effect for the adjoining Whangarei Heads and Tutukaka biodiversity strongholds. Less pests will be re-invading these areas and native wildlife will be spilling into them.

In addition to funds provided during the 2021/22 financial year by NRC and Kiwi Coast Trust, local land managers, research partners, businesses and private landowners contributed \$730,465 of unpaid labour and resources. This significant contribution demonstrates the outstanding commitment and dedication of the groups and projects involved in the Kiwi Link HVA to their native forests, wildlife and kiwi.



Map 5: Predator Traps 2013. Map: NRC



Map 6: Kiwi Link HVA Groups and Predator Traps, June 30, 2022. Map: Biospatial

Regional & Specialist Support

In addition to the general support provided by the three Kiwi Coast Coordinators, groups and projects across the region were also provided with specialist technical support upon request.

Projects from the Far North to the south drew upon the dynamic-duo of Lesley and certified ‘Kiwi Dog’ Yagi to provide additional kiwi monitoring support. Projects were assisted at Matapouri, Te Tii, Pukenui, Mahinepua, Marunui, Moturoa Island, Limestone Island and the Whangarei Kiwi Sanctuary – all within the five-month seasonal timeframe specified by DOC Kiwi Best Practice Guidelines.

Assistance was also given to the Piroa-Brynderwyns Landcare Group to develop a two-tiered “Ferret Response Plan” after an unidentified kiwi death in the area raised concerns.

Stretching over to the Kaipara, while a Kiwi Listening Device was unable to confirm a kiwi call reported near Matakoho, it did spark the initiation of a long-term kiwi monitoring plan with the Pest Free Kaipara Peninsula’s Project and discussions of wider biodiversity monitoring needs.

On a different note, specialist pāteke support assisted with the investigation of new dispersal sites as well as the planning for the first Northland pāteke translocation in many years.

In the west, increasing pest control and growing linkages between projects in the Mataraua –

Mangakahia area are not only benefiting kiwi, but also one of Northland’s last kokako populations.

Up in Warawara, Kiwi Coast worked with kaimahi and Te Komiti of Te Runanga o te Rarawa to assist with monitoring Northland’s only population of titipounamu /rifleman. Via the use of acoustic monitoring devices, titipounamu were confirmed at five sites. Plans were made to increase pest control to further protect these tiny birds as a result.

While further location specific dedicated Kiwi Coast Coordinators may emerge in time, the approach of roving specialist support has worked well over the last year to fill the high-level specific needs of some of Northland’s extraordinary projects.

Northland Kiwi Taxon Plan

With the existing Northland Brown Kiwi Taxon plan expiring two years ago, a renewed document has been on the ‘to-do’ list of the Northland Kiwi Forum Working Group (NKFWG) for some time.

The pre-Omicron mini lockdown created the perfect opportunity to progress the document while other work went on hold. Kiwi Coast coordinated the collaborative drafting of the new Taxon Plan with the NKFWG and the DOC Kiwi Recovery Group. As the Taxon Plan is the strategic guiding document for kiwi recovery work across Northland, the considerable time spent progressing the document was well justified, even though un-scheduled. It is envisaged that a good working draft of this document will be presented for discussion and feedback at a Northland Kiwi Hui in late 2022.



Yagi the Kiwi Conservation Dog, with handler Lesley Baigent and Marunui Kiwi Monitoring Crew. Photo: Kiwi Coast

Improving Dog Control and Raising Awareness

Uncontrolled dogs continue to be a key concern of communities and remain the most significant threat to adult kiwi survival in Northland.

Raising awareness of the issue and stressing the need for good dog control was a recurring theme at all Kiwi Coast events and workshops. 'Kiwi Live Here' signs, customised with group names and selected dog control messages were supplied on request.

While Kiwi Aversion Training workshops are held regularly for hunting and working dogs, few resources have been available for owners of pet and lifestyle dogs in kiwi zones. The new "Know Your Dog" workshops, developed and delivered by Kiwi Coast Far North Coordinator and retired vet Lesley Baigent, have begun to fill this gap.

These workshops have proven to be successful and popular, with eight workshops held throughout Northland over the last year despite the challenges presented by the "twindemic".

Lesley says:

"The new "Know your Dog" workshops rolled out this year have been really successful. Feedback from knowledgeable dog owners that they better understood their dogs thanks to the workshops was amazing! It has helped break down the dog - conservation barrier. There is now interest in replicating these around the country and we already have communities requesting more workshops in Northland. Where these workshops have been held, dogs and their owners are happier and safer as a result, and the kiwi will be too!"



Events & Engagement

While the “twindemic” of Covid-19 and flu effected many Northland activities and events over the past 12 months, Kiwi Coast continued to support, assist and promote community–led biodiversity stewardship/ kaitiakitanga with events, workshops and presentations when possible. The health and safety of Northland communities and Kiwi Coast contractors remained paramount at all times and many events were repeatedly rescheduled or postponed until conditions were safe to continue.

For the first time, no public kiwi releases were held (except for the release of rehabilitated injured kiwi).

Despite these challenges, many events eventually did go ahead and a further 901 people attended Kiwi Coast supported events and workshops throughout the year, taking the total number of people over the last nine years to 19,268.

A particular highlight of the year was the inaugural Kiwi Coast ‘Outstanding Group or Project Award’ offered for the first time as part of the NRC annual Whakamānawa ā Taiao – Environmental Awards and won by Bay Bush Action Trust.

Mike Camm, KC Trust Chairman Award presentation:

“Bay Bush Action is truly an outstanding project. Operating at a high level, the project brings together a broad spectrum of the local community including hapū, iwi and youth, while also actively seeking to improve pest control techniques as evidenced by their significant trial of the NZAT220 self-resetting trap. The results being achieved in terms of forest health regeneration and a steadily increasing kiwi population are testament to the effectiveness of this extremely successful and hardworking community-led project.”



Bay Bush Action receive the 2022 Kiwi Coast ‘Outstanding Group Award’ Photo: NRC

Education

In previous years Kiwi Coast has delivered environmental education modules, activities and events to Northland schools and at large public events. However, due to the “twindemic” preventing visits to schools and cancellation of almost all large public events including kiwi releases, Northland Field Days, Bay of Islands Show, Mangonui Festival and Whāngarei Summer Show, this has not been possible.

Instead, online resources have begun to be developed, accompanied by a significant revamp of the Kiwi Coast website to make resources, workshops and material more readily accessible.

The first module developed included online resources, training and support for the 2022 Kiwi Call Count Survey and upgraded features of the Kiwi Coast Listening App. High demand for this online training kept the Kiwi Coast Support crew on their toes throughout the Kiwi Listening Season proving the need for such resources.

The revamped Kiwi Coast website will be completed in late 2022 and aims to increasingly incorporate mātauranga Māori concepts where appropriate.

Skill Building Workshops

Community leadership and kaitiakitanga have been enabled and supported through a range of skill building workshops. These were provided upon request and tailored to build knowledge and specific skills within the hosting community or project.

Despite the “twindemic” a further 22 skill building workshops were still able to be held, taking the nine-year total to 98.

Each collaborative workshop shared technical knowledge and expertise from a range of sources including local professional predator trappers, community leaders, NRC Biosecurity Staff, Department of Conservation and professional training providers.

As a preventive measure against the spread of Covid, this year’s annual Regional Pest Control Workshop was held as an online “zui” for the first time. The Zui was a success with 176 total registrants and 80 participants online at any one time during the day. The Zui involved a diverse range of people, reaching more people than any previous in-person workshop, from a greater variety of locations. This included local, national and international presenters and participants.

The 22 skill building workshops either supported or held by Kiwi Coast over the past year included:

- 8 x Know Your Dog workshops
- 4 x Local Pest Control Workshops
- 6 x Online Kiwi Listening & App Trainings
- Mid North Professional Trappers Fieldtrip
- Regional Pest Control Zui



Kiwi Coast onsite at Te Rūnanga-Ā-Iwi O Ngāpuhi Omahuta-Puketi information day, December 2021

Communications

Kiwi Coast implements an integrated communications strategy designed to:

- build linkages between projects via sharing information, stories and successes.
- celebrate kiwi as a tāonga.
- engage people in caring for kiwi.
- build acceptance of animal pest control practices required to regenerate native forests and wildlife.
- positively encourage good dog control.
- establish the Kiwi Coast as a successful and accessible initiative in which everyone can participate.

Communications included a live, continuously updated website, social media and regular electronic newsletter. Over the last nine years, Kiwi Coast communications have reached tens of thousands of people, both locally and internationally.

As at June 30, 2022:

- An average of 1,349 people visited the Kiwi Coast website each month over the last year
- 1,322 people subscribe to Kiwi Coast’s monthly e-newsletter
- Facebook ‘Follows’: 2,516
- Instagram ‘followers’ (began October 2019): 626

Kiwi Coast has also enjoyed a strong media presence, with articles featuring in an array of local, regional, national and international online and printed media including Radio NZ and MORE FM radio stations the NZ Herald, Northern Advocate, Northland Age and Whangarei Report. Considerable media attention was received in response to the Kiwi Listening Blitz results, leading to interviews with TVNZ, The Guardian, Stuff, Australia Radio National Drive and the American Audubon magazine.



Kiwi Crossing sign – Kerikeri Peninsula. Photo: Dean Wright

Results and Monitoring

Kiwi Coast is underpinned by a robust scientific monitoring framework that ensures accurate measurement of outcomes. Table 1 presents a summary of monitoring results and the Kiwi Coast Trust’s achievements to date against Key Performance Indicators identified in the 2017 Strategic Plan.

Kiwi

The Kiwi Coast’s long-term ‘Kiwi Monitoring Plan’ (Topia, 2014) is based on best practice kiwi monitoring protocols developed by the Department of Conservation (DOC). It includes Annual Kiwi Call Count Surveys, the use of Kiwi Listening Devices, and 5-Yearly Kiwi Listening Blitz’s.

Kiwi Call Count Survey 2021

Kiwi call count monitoring has been carried out annually in Northland since 1995. Call count surveys are one of the main tools used for assessing trends in kiwi populations. Kiwi Coast works with DOC each year to encourage, train and coordinate groups to carry out the monitoring, and the data are then analysed by DOC and presented in the following year in the ‘Northland Kiwi Call Count Report’. Due to DOC budget cuts the 2021 Kiwi Listening Report (Craig, 2022) was funded jointly by Kiwi Coast and NRC.

For the third year in a row, the Kiwi Coast Listening App assisted with making the monitoring more efficient and enjoyable (see page 23). Over 200 kiwi listeners are now registered for the app.

The 2021 report stated (Craig, 2022):

“It was very positive to see that the mean kiwi call rates for all four of the original clusters trended up between 2020 and 2021. This was the first time the phenomenon of all the clusters increasing concurrently was observed since 2016.”

“Kiwi conservation (primarily through the trapping of predators, and through advocacy for dog control and road awareness) has been increasing within the range of Northland brown kiwi for the last 30 years. The success of this effort was reflected by North Island brown kiwi (of which Northland brown kiwi are one taxa) recently being re-classified under the conservation status of birds in Aotearoa New Zealand as not threatened. This is remarkably good news, but it comes with the caveat that the new ranking is conservation dependent; the species is still in partial decline; and the species is vulnerable to recruitment failure (Robertson et al. 2021). In summary, the change in status of North Island brown kiwi is due to the conservation efforts of individuals and communities, but if this effort reduces the conservation status will also reduce”.

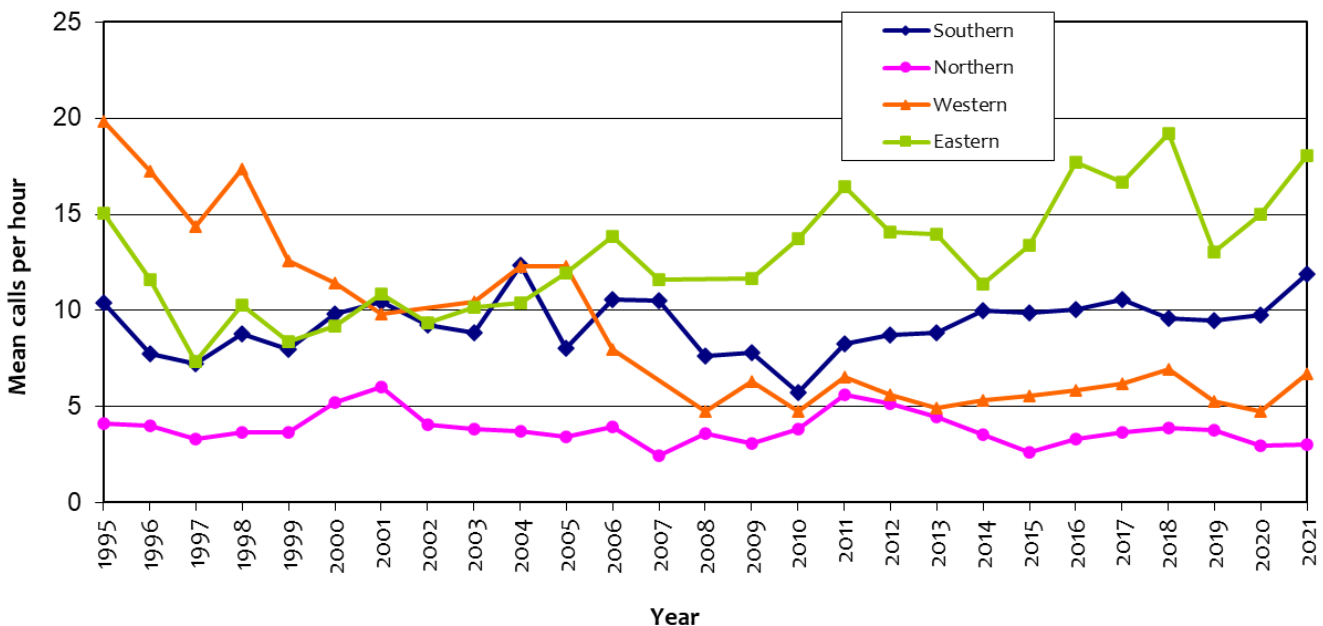


Figure 1: Northland 2021 Kiwi Call Count Survey Data. Craig, 2022

Indicator Species Monitoring

In addition to kiwi monitoring, Kiwi Coast Trust, in partnership with NorthTec and the Department of Conservation, has established an ‘Indicator Species Monitoring Program’.

This program monitors selected iconic Northland species to document the response of native wildlife other than kiwi to predator control and community stewardship. The species included in this program are pāteke (brown teal - *Anas chlorotis*), kākā (*Nestor meridionalis*) and korimako / bellbird (*Anthornis melanura*).

Only pāteke were scheduled for survey this year.

Pāteke

Pāteke are the rarest mainland duck in New Zealand.

Congregations of pāteke at Northland flock sites have been counted annually in February since 1988 to monitor population trends.

Kiwi Coast has worked each year with community groups, specialist staff at DOC, the Pāteke Recovery Group and NorthTec to assist with the flock counts and investigate new sites.

Analysis of the 2022 Pāteke Flock Count data confirmed that the ducks have continued to flourish on Northland’s east coast where intense predator control has been sustained. However, numbers have dipped with 595 counted in 2022, down from 661 in 2021, and 704 in 2020 (See Figure 2).

Mike Camm from the Pāteke Recovery Group suggested droughts are responsible for the dip:

“This could well reflect the impact of the two previous summer droughts. During a dry summer, smaller waterways and ponds often dry up. Pāteke are then more likely to congregate at the known flock sites that have large, reliable water sources – especially the young and unattached birds, chased away from their natal ponds by the dominant parents.

With increased dry years one of the likely impacts of climate change in Northland, waterways and wetlands will become even more crucial for the survival of native wildlife such as pāteke.

A traditional flock site such as Mimiwhangata has probably seen their flock count peak some years ago, with young birds flying out to find new territory. The lucky ones will settle in the safe sanctuary provided by sustained predator control.

With the amount of predator control expanding each year in Northland, thanks in the main to the initiative, passion and drive of community groups, supported by Kiwi Coast with funding from the NRC, the likelihood of this happening is also increasing. The not so lucky will fail to survive in the absence of any trapping at their final destination.”

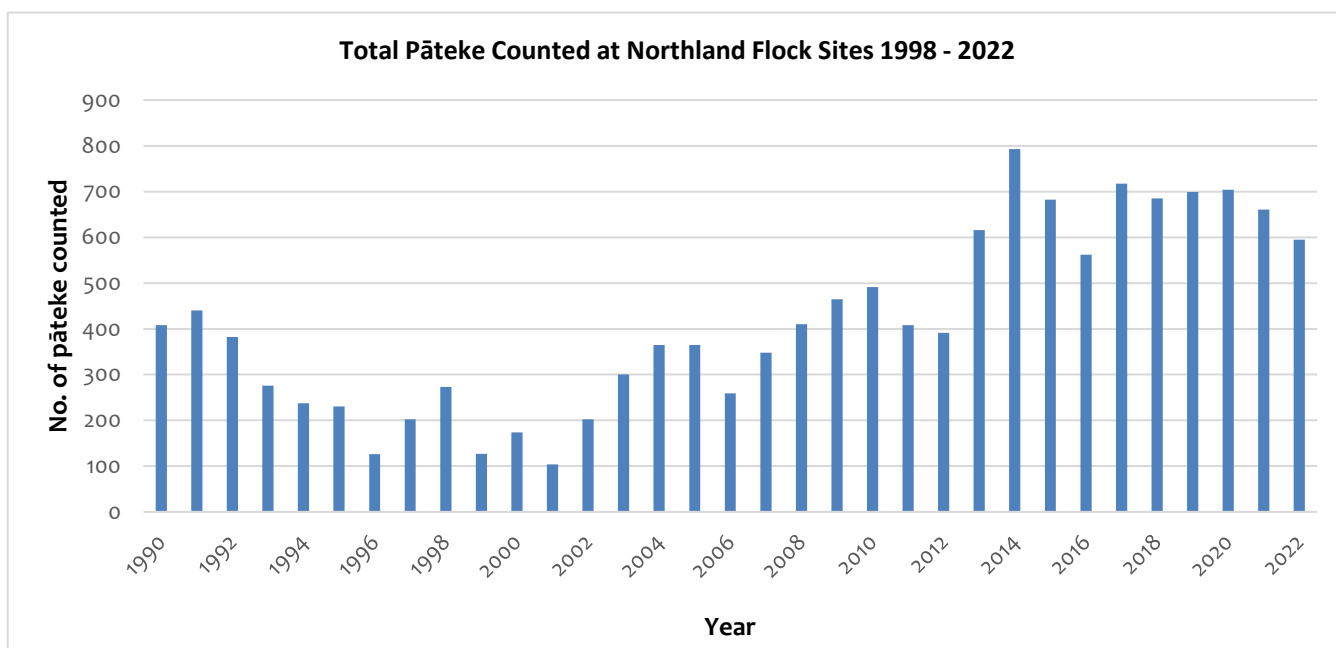


Figure 2: Northland Pāteke Flock Count Data. Source: Department of Conservation, 2022

Table: 1: Kiwi Coast Key Performance Indicators, Measures and Outcomes

Objective	Key Performance Indicator (KPI)	Source of Measure	Expected Outcome	Baseline Information	Results Summary as at June 30, 2022
Northland brown kiwi populations in eastern Northland are increasing.	An overall upwards trend of kiwi populations in managed sites on the Kiwi Coast.	Annual Kiwi Call Count Survey. Northland brown kiwi distribution map of high and low density kiwi populations (DOC).	Increased kiwi population.	Northland Annual Kiwi Call Count Survey data since 1995. DOC Kiwi Distribution Maps.	2021 Kiwi Call Count Data shows upward trends at all 4 original clusters for the first time since 2016. Kiwi Distribution Map last updated by DOC in 2016.
Northland brown kiwi are dispersing into new sites.	Northland brown kiwi confirmed at new sites.	Kiwi Coast 5-yearly Kiwi Listening Blitz.	Expanded Northland brown kiwi distribution.	Kiwi Coast Baseline Kiwi Listening Blitz (2016).	<i>(Next Kiwi Listening Blitz due 2025)</i>
Northland brown kiwi populations are linked via safe kiwi corridors.	Northland brown kiwi are moving between separate populations.	Telemetry monitoring of transmitted kiwi. Possible DNA monitoring as techniques and expense allows.	Kiwi tracked moving safely through and between project areas.	Existing telemetry data.	Transmitted kiwi tracked moving between Whangarei Heads and Kiwi Link CPCA.
Northland's biodiversity flourishes.	Increased populations and distribution of key native indicator species.	Kiwi Coast Indicator Species Monitoring Program: Participation in DOC led Annual Pāteke Flock Counts Five-yearly bellbird and kaka distribution surveys	Populations of native species increase. Expanded distribution of native species in Northland, including return of species currently restricted to offshore islands back to the mainland.	DOC Annual Pāteke Flock Count Survey data since 1993. Kiwi Coast Baseline Kaka and Bellbird Monitoring Survey (2016).	2022 Pāteke Flock Count shows dip in data, but distribution continues to expand on Northland's east coast. <i>(Next Kaka and Bellbird Survey due 2025).</i>
Animal pest populations are reduced by landscape scale predator trapping networks.	Animal pests in eastern Northland are being actively controlled to declared levels.	Annual collation of trap catch data. Hectares under management.	Kiwi populations increase and can disperse safely into new areas. Populations and distribution of native species increase in Northland.	Annual collation of pest control results and hectares under pest control since 2013. Annual group reporting and GIS analysis of project area extent.	591,584 animal pests collectively trapped over past nine years. Approximately 241,000 hectares collectively under active management by groups and projects.

Objective	Key Performance Indicator (KPI)	Source of Measure	Expected Outcome	Baseline Information	Results Summary as at June 30, 2022
Community, iwi/hapū-led conservation projects are linked through the Kiwi Coast.	Numbers of community, iwi/hapū-led conservation projects participating in the Kiwi Coast.	Tally of number of entities involved.	Community-led projects work together towards the shared vision of building NZ's first kiwi corridor.	No. of projects involved tallied since Year 1.	210 groups, projects and organisations involved (See Appendix 2).
Community and iwi/hapū have the skills and resources needed to engaged in biodiversity stewardship / kaitiakitanga to the full extent they wish.	Capacity and skill building workshops are held upon request of communities.	Number of skill building workshops held. Number of people attending Kiwi Coast supported events and workshops.	Communities, iwi and hapū are actively and effectively involved in biodiversity stewardship / kaitiakitanga.	No. of workshops held recorded since Year 1. No. of people attending events and workshops recorded since Year 1.	96 workshops held since 2013. Total number of people at Kiwi Coast supported workshops and events since 2013: 19,268.
Increased understanding, knowledge and support for kiwi recovery.	Integrated communications system has strong regional and national presence.	Communications reach.	Increased number of people engaged in kiwi recovery and accepting of methods needed for success.	Analysis of communications data since Year 1.	Average monthly visits to website: 1,349. Electronic newsletter: 1,322 subscribers, 52.2% opening rate (Industry average is 37%). <u>Social Media:</u> Facebook 'Follows': 2,516. Instagram (began October 2019): 626 followers.
Kiwi Coast has a financial mechanism in place to generate independent income.	Financial mechanisms developed and generating income.	Amount of independent funds being generated.	Kiwi Coast has an independent income stream to help sustain community-led kiwi recovery.	No financial mechanism in place in Year 1.	Kiwi Coast online store and merchandise range developed and extended. Charitable Trust status gained in 2017 to enable donations and sponsorship. "Follow a Kiwi" sponsorship scheme launched in 2017.

Research and Technology

Over the last 12 months Kiwi Coast Trust has worked with a range of specialist contractors and research partners to assist with the development of new tools and technology that will help Northland projects find efficiencies and maximise ecological gains.

In addition, regional field trials of novel pest control tools have been supported with the intention of saving individual community projects spending hard-won funds on products that may still need modifications to work effectively in Northland conditions.

Kiwi Listening App Upgrades

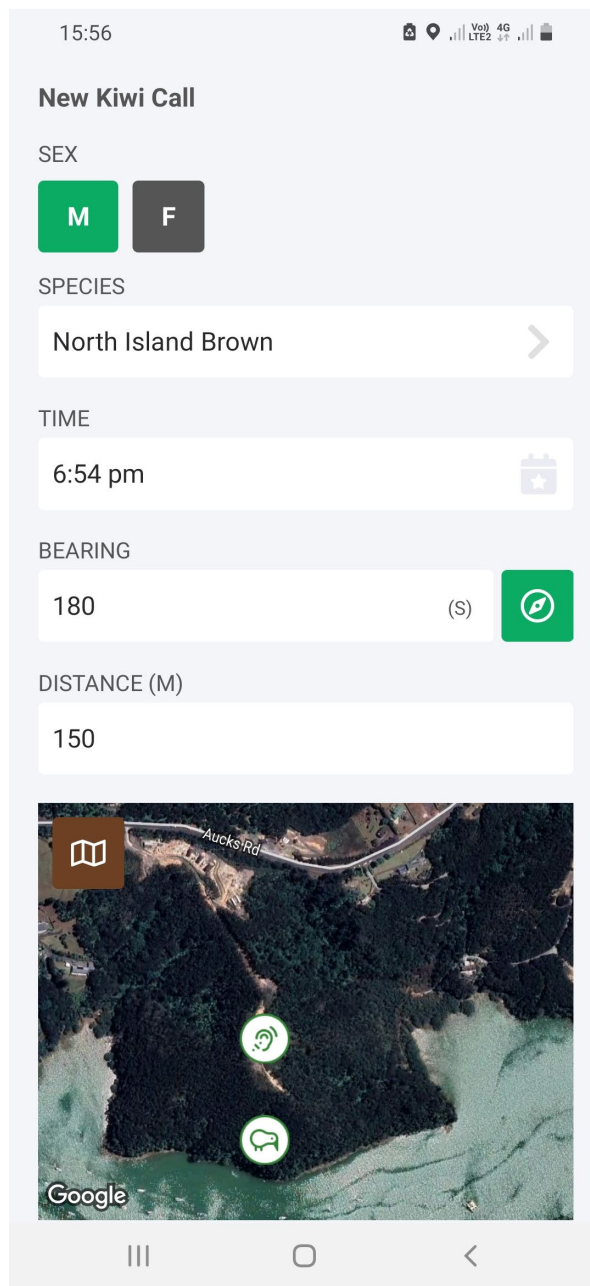
Kiwi Coast continued to work with app developers KiwiSprout to upgrade and refine the Kiwi Coast Listening App created in 2020. Over 200 kiwi listeners are now registered for the app, and in 2021 DOC reported that the Kiwi Listening Survey data had been received not only in record time, but in a cleaner state, making subsequent analysis much easier.

In response to feedback received, the listening app was further developed for the 2022 kiwi listening season. Extra 'save points' were embedded in the app to prevent data inadvertently being lost if app users shut down their phones without saving the data first or responding to alerts reminding them to do so.

Secondly, in a major development a new feature was introduced to enable listeners to map their kiwi. This can now be done in two ways - either using listening site location against the kiwi call bearing and distance data entered to show the resulting kiwi's location, or by dropping a pin on an onscreen map to reverse calculate the bearing and distance.

Enabling listeners to immediately see a map of kiwi location from the information entered has led to improvements in data accuracy. For example, if a listener has over-estimated the distance of the kiwi call and the kiwi location has ended up in the sea, this can be instantly corrected in the field. As estimating kiwi call distance has long been felt to be problematic by listeners, this new feature has been enthusiastically received.

The next step of creating a desktop function so projects can view a map of all their kiwi is now in development.



15:56

New Kiwi Call

SEX

M **F**

SPECIES

North Island Brown

TIME

6:54 pm

BEARING

180 (S)

DISTANCE (M)

150

Aucks Rd

Google

Screenshot of new kiwi map feature.
Photo: KiwiSprout

Freemasons Sponsored Mobile Phone-Compatible Trail Cam Trial

Thanks to sponsorship from Northland Freemasons, Kiwi Coast is investigating the use of mobile phone – trail cams as an effective tool to:

- Report on the status of live-capture traps daily, replacing the need for a human to visit;
- Provide instant information on the incursion of critical predators into project areas, such as ferrets;
- Monitor sensitive sites, such as pāteke breeding ponds;
- Assist with monitoring of remote areas for either pests or native species.

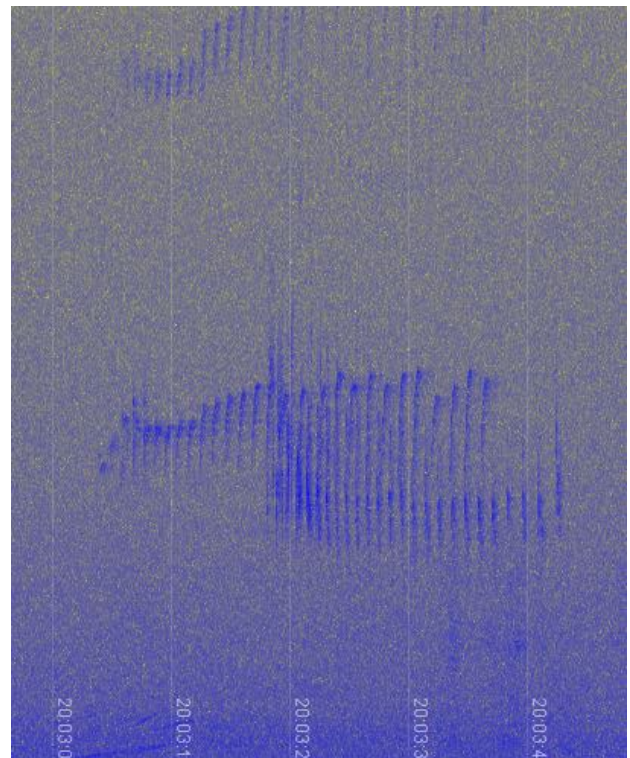
This trial is still in its early stages due to the unforeseen additional cost of each trail cam needing its own mobile phone plan. Deployment of trail cams will be completed in the 2022-23 summer, predominantly on the Purerua Peninsula, to assist with “chasing zero” for key pest species.

Automated Kiwi Call Recognition Software for Kiwi Listening Devices

Kiwi Coast worked with Oceansense to progress the development of automated kiwi call recognition software for acoustic monitors or “kiwi listening devices”.

Over the past year, kiwi call data recorded by Kiwi Listening Devices has been provided by Kiwi Coast to Oceansense to enable the development of an AI model for Northland brown male and female kiwi calls.

Phase 1, the “Proof of Concept’ pilot study has been successfully completed. Kiwi Coast is now working with Oceansense to explore the second phase, or full development of the AI model and investigate the possibility of improving and trialling advanced Kiwi Listening Devices.



Male and female kiwi call spectrogram from standard Kiwi Listening Device analysis. Image: Karen Verdurmen

Boffa Miskell Ezy-Lure Trial, Mt Tiger

Boffa Miskell worked with Kiwi Coast and Whareora Landcare to carry out a three-month field trial of “Ezylure” automatic lure dispensers at Mt Tiger over the 2021-22 summer.

Critter Solutions’ EzyLure automatic mayonnaise dispensing lure units were retrofitted to 20 DOC250 and 25 Trapinator traps. Trap catch rates were then compared with the same trap types baited with Erayz for the DOC traps and peanut butter for Trapinators. The trial ran over a three-month period between the August and October of 2021. Traps were supplied by Boffa Miskell and checked five times with help from Kiwi Coast trappers from Untamed NZ.

A total of 28 rats were caught in DOC250 traps, of which 22 (79%) were in traps retrofitted with an EzyLure unit and only six with a standard Erayz lure. Catch rates of rats were significantly higher using an EzyLure unit compared to a standard lure in four of the five trap checks. A total of 41 possums were caught in Trapinators, of which 21 (51%) were caught with an EzyLure system and 20 were caught with a standard peanut butter lure (which was refreshed as required). Catch rates of possums were higher using an EzyLure unit compared to a standard lure in the first three trap checks, however, it is suspected that the resident possum population was significantly reduced by the 4th and 5th trap checks, limiting the catch rates for EzyLure traps after that.

Overall, the EzyLure units proved highly reliable in the field and required no servicing. Following the Mt Tiger trial they were moved to a new field trial site where they have continued to function for well over nine months without servicing. The lure continues to be highly attractive and catches all target species (including rats, stoats, possums and feral cats). The EzyLure systems are planned for commercial availability late this year.

It should be noted that the main stoat lure used by Kiwi Link trappers is salted rabbit. Salted rabbit has proven to be far more effective than Erayz lure. It would be interesting to further trial the Ezylure mayonnaise dispensers on DOC 200 stoat traps against salted rabbit lures and compare results.



Sarah Hockings from Boffa Miskell checks an EzyLure dispenser on a DOC250, Mt Tiger. Photo: Whareora Landcare

Summary

While the “twindemic” has effected a number of planned activities and events over the last year, Kiwi Coast has remained strong and much has been achieved.

Kiwi Coast continued to provide a solid base of support for community, hapū and iwi-led projects across Northland. This has assisted groups to share their knowledge, stories, successes, lessons and innovations. It has been achieved via a multi-pronged communications network and array of community events wānanga and hui, ensuring Northland projects are able to grow and learn together.

The resources brought in by the Kiwi Coast Trust through the NRC Partnership, Foundation North grant and a growing number of sponsors over the past year has made a tangible difference on-the-ground.

Kiwi Coast Coordinators provided a raft of support, training and practical workshops to help build the skills and capacity of the groups and projects involved.

The 591,584 pests collectively trapped over the last eight years are testament to the ongoing hard work of Northlanders on farms, forests and private blocks.

Seeking efficiencies, maximising gains and ensuring upward trends of kiwi populations are sustained remain key strategic priorities of the Kiwi Coast Trust. With the first predator-free peninsula projects underway in Whangarei and Purerua, ‘chasing zero’ is replacing mindsets of endless pest suppression.

Pest control motivated by tāonga species such as kiwi, has widespread flow-on benefits to communities and biodiversity. These benefits are both tangible and intangible. They include improved native forest health, the return of birdsong to once silent forests, the recovery of threatened species and the empowerment of people, living confidently in increasingly cohesive communities as they come together to care for their special places and cherished tāonga.

Kiwi Coast remains committed to championing community, iwi and hapū led native forest regeneration projects across Northland. With iconic kiwi as our collective flag-bearer, projects can work autonomously while part of collaborative landscape-scale pest control networks. Continuing to build wildlife-friendly corridors through Northland will not only allow tāonga species such as kiwi to roam and disperse in safety, but take essential steps towards restoring regional gene flow.

Together, as a collaborative network, with Kiwi Coast Trust offering a platform of support, an increasingly cohesive korowai of protection is being woven over Northland’s native forests and wildlife.

The Kiwi Coast Trust again thanks all the groups and projects for their enduring and relentless hard work. Many thanks also to our partners Northland Regional Council, principal funders Foundation North, Save the Kiwi Trust, the keen ‘Follow a Kiwi’ fans, and sponsors. We are privileged to work with you all on this amazing initiative.

References

Craig, E. 2022. DRAFT *Call Count Monitoring of Northland Brown Kiwi 2021*. Department of Conservation.

Kiwi Coast Trust. *Kiwi Coast Strategic Plan 2017 – 2022*. Unpublished report.

Miller, P and Pierce, R. 1995. *Distribution and Decline of the North Island Brown Kiwi (Apteryx australis mantelli) in Northland*. *Notornis*: 42, 203-211.

Topia, M. 2014. *Kiwi Coast Kiwi Monitoring Plan*. Unpublished report.

Appendix 1:

Kiwi Coast Trust Financial Summary*

Income	
Foundation North Grant	246,125
NRC - KC Partnership Funds	188,480
Save the Kiwi Trust - Pest Free Purerua Project	125,000
NRC New Project Start-Up Funds	2,000
Donations and Sponsorship	5,075
- Ngunguru Sandspit Protection Society	17,391
- Northland Freemasons	10,000
Interest Received	131
Sales - Kiwi Coast Merchandise etc	999
Sales - Pest Control Equipment	29,909
Services Invoiced eg Monitoring	1,938
Total Income	\$627,049
Less Operating Expenses	
Accountancy, Insurance, Bank and Audit fees	10,159
Administration & Financial Management	8,968
Communications	11,569
Dog Owner Support & Engagement	4,667
Education, Engagement & Events	2,259
Health & Safety	2,639
Innovation - KLD Kiwi Recognition Software Development	1,210
Kiwi Coast Coordinators - Labour & Mileage	262,777
Kiwi Listening App Phase 2 and Updates	12,313
Meeting, Hui & Travel Costs	2,159
Merchandise Expenses - Cost of Goods Sold	1,918
Monitoring Contractors	21,824
Monitoring Equipment	5,054
Monitoring Indicator Species	1,681
Monitoring Kiwi	12,418
Pest Control Contractors	76,534
Pest Control Products	29,051
Specialist Community Project Support	6,432
Start-up Products for New Groups	2,561
Strategic Project Support & Implementation of Wildlife Corridors	1,509
Training Courses for Community Groups	4,082
Trapper Training, Mentoring, Pest Control Workshops & Field Trips	11,378
Trial New Trap Technology	15,436
Total Operating Expenses	\$508,597
Operational funds remaining	\$118,452

Note: *Does not include funds or expenses of umbrellaed projects

Appendix 2:

Entities, projects and groups involved in the Kiwi Coast as at June 30, 2022

No. Entities	Name	Location	Project Area (ha)
1	Aroha Island	Kerikeri	18
2	Backyard Kiwi	Whangarei Heads	5,845
3	Baldrock Trappers	Kaiwaka	200
4	Bay Bush Action Trust	Opuia, Bay of Islands	1,544
5	Blue Gum Lane	Kerikeri	10
6	Blue Orb Charitable Trust	End of Whangaruru Peninsula	413
7	Bream Bay College Rat Patrol	Ruakaka	1
8	Bream Head Conservation Trust	Bream Head	1,096
9	Bream Tail Farm	Bream Tail	430
10	Brynderwyn Barrier	Brynderwyns	1,500
11	Bulls Gorge Pukewhau Trappers	Kerikeri	200
12	Burma Rd Tolls for Trolls Trappers	Peria	100
13	Campbell Rd Landcare	Pataua	100
14	Candy's Farm	Okaihau	598
15	Cavalli View Trappers	Takou Bay	1
16	Cemetery Road Landcare	Maunu	80
17	Corymbosa Charitable Trust	Ruatangata West	8
18	Cottle Hill Landcare	Kerikeri	50
19	Craigmore Horticulture	Kerikeri	173
20	DOC Whangarei Kiwi Sanctuary and Pateke projects	Various	13,268
21	Di's Farm	Maungakaramea	89
22	Doubtless Bay Landcare	Taipa, Cable Bay and Coopers Beach	356
23	Dunlop & Craig Farm	Otonga	374
24	Durham Road Farms	Waipu	300
25	Eastern Bay of Islands Preservation Society	Eastern Bay of Islands	n/a
26	Faraway Project	Arapohue	250
27	Fish & Game - Flaxmill Wetland	Dargaville	69
28	Fish & Game - Greenheart Wetland	Poroti	33

29	Fish & Game - Jack Bisset Wetland	Poroti	80
30	Fish & Game - Underwood Block	Dargaville	400
31	Flagstaff	Waipu	50
32	Friends of Matakohe/ Limestone Island	Whangarei Harbour	608
33	Friends of Rangikapiti Pa & Mangonui School	Coopers Beach	247
34	Friends of Rangitane Stream	Kerikeri	100
35	Gilbert Pest Traps	Ngunguru	1
36	Glenbervie Landcare	Glenbervie	1,365
37	Manulife Forest Management: Brynderwyn Kiwi Project	Brynderwyns	1,800
38	Manulife Forest Management: Gammons Block	Mangakahia	1,368
39	Manulife Forest Management: Rakautao	Kaikohe	647
40	Manulife Forest Management: Whanui Project	Pataua North	927
41	Manulife Forest Management: Whatoro CPCA	Kaihu	1,414
42	Harris Rd Area Landcare	Glenbervie	452
43	Hewlett Point Exterminators	Mata	120
44	Honeymoon Valley Landcare	Peria	2,426
45	Hupara Landcare	Hupara	821
46	Hukerenui CPCA	Hukerenui	1,620
47	JH Dowell Trust	Day Point	25
48	Jonathan Rae Trust	Takou Bay River Scenic Reserve	46
49	Jude Rd Forest Care	Mangawhai	350
50	Kaiatea Landowners	Ngunguru	320
51	Kaiaka Landcare	Peria	200
52	Kaimamaku Landcare	Kaimamaku – Kaikanui	2,818
53	Kaipara Forest Restoration Trust	Houto	5,000
54	Kaiwaka Community Pest Control Group	Kaiwaka	500
55	Kapawiti Kaitiaki	Mangawhai	29
56	Kauaepepe Landcare	Raetea	50
57	Kauri Landcare	Kauri	231
58	Kauri Cliffs	Matauri Bay	2,172
59	Kerikeri Kindergarten	Kerikeri	1
60	Kerikeri Peninsula Pest Control	Kerikeri Peninsula	1,000

61	Kerikeri Plant & Food Research	Kerikeri	100
62	Kerikeri-Puketotara Catchment CPCA	Kerikeri - Puketotara	5,792
63	Key Industries	Auckland	n/a
64	Kiwi North Pest Patrol	Whangarei	25
65	Kohinui Stream Landcare	Kohinui Stream Catchment	354
66	Kohumaru Kiwis	Kohumaru	350
67	Kowhairoa Historical Reserve	Whangaroa	500
68	Lake Omapere Duck Hunters	Lake Omapere	139
69	Lamb Rd Landcare	Parua Bay	345
70	Langs Beach Estate	Langs Beach	200
71	Living Waters	Tangatapu Catchment, Bay of Islands	4
72	Maclester Group	Brynderwyns	40
73	Mahinepua/Radar Hills Landcare	Mahinepua – Radar Hills	1,150
74	Manaia Landcare	Whangarei Heads	484
75	Mangatete Landcare	Fisher Riley Rd, Kaitaia	1,000
76	Marunui Conservation	Brynderwyns	423
77	Marunui's Ring of Steel buffer	Brynderwyns	927
78	Massey Road Trappers	Massey Road, Waipu	800
79	Matapouri Kaitiaki	Whale Bay - Matapouri	102
80	Mataraua Kiwi Project	Mataraua, Kauri Coast	1,252
81	Matauri Trust	Matauri Bay	325
82	Maungaparerua Stream Landcare	Kerikeri	648
83	Millington Rd Kiwi Group	Maunu	40
84	Motutangi Pest Wipeout	Motutangi	10
85	Native Forest Restoration Trust - Puketi Mokau Shirley Guildford	Whangaroa	320
86	Native Forest Restoration Trust - Puhoi Far North	Honeymoon Valley	294
87	Ngā Kaitiaki o Huruiki Maunga	Mt Huruiki between Whangapara and Whangaruru	315
88	Ngā Ringa Tawhiti o Te Puna Aroha	Kawakawa	10
89	Ngawha Pest Control Area	Ngawha	2,000
90	Ngā Kaitiaki o Ipipiri	Cape Brett peninsula	2,300
91	Ngati Wai Trust Board	Ngati Wai rohe	n/a

92	Ngunguru Ford Landcare	Ngunguru Ford	730
93	Ngunguru Sandspit Protection Society	Ngunguru	1,775
94	Ngunguru School: Restoring Food Chains	Ngunguru	3
95	Northland Regional Council	NRC Mt Tiger block	500
96	NorthTec Conservation Management	Various	n/a
97	NZ Fairy Tern Trust	Waipu Spit	1,044
98	Northland Forest Managers	Northland (Waikaraka Forest)	
99	Ocean Beach Landcare	Ocean Beach, Whangarei Heads	23
100	Oi Kaitiaki	Langs Cove to Bream Tail Farms	870
101	Okaihau Trappers	Okaihau	156
102	Onekura Rd Trappers	Waipapa	100
103	Opara Kiwi Conservation Estate	Opara Peninsula, Hokianga	559
104	Opua Bike Trail	Opua	86
105	Oromahoe Road Trappers	Oromahoe	38
106	Otangaroa Landcare	Otangaroa	105
107	Owhiwa Landcare	Owhiwa	819
108	Pa Hill	Brynderwyns	6
109	Pamu Kapiro-Takou Bay	Takou Bay	3,195
110	Pamu Mangatoa	Southern Hokianga	4,660
111	Pamu Omamari	Omamari	2,364
112	Pamu Puketotara	Puketotara	1,339
113	Pamu Rangiputa	Karikari Peninsula	4,955
114	Pamu Takakuri	Takakuri	1,652
115	Pamu Titoki	Titoki	1,002
116	Papakarahi Landcare	Whangarei Heads	(incl in WHLF)
117	Parihaka Community Landcare	Mt Parihaka, Whangarei	191
118	Parua Bay School Wildlife Walkway	Parua Bay	5
119	Parua Cemetery Road Landcare	Parua Bay	50
120	Pataua North Landcare	Pataua North	900
121	Peach Orchard Predator Hunters	Whakapara	738
122	Pest Free Mangapai	Oakleigh/Mangapai	500
123	Pest Free Parakioro	Whangarei	750

124	Pest Free Peninsulas Kaipara	Pahi, Petley, Te Pahi and Matakoho Peninsulas	6,000
125	PF Olsen - Houto Trapping Project	Houto	1,508
126	Prescott Road Pest Control Group	Ruakaka	101
127	Project IslandSong	Islands in the Bay of Islands (centered on Urupukapuka)	436
128	Puke Kopipi Restoration Group	Ngunguru	6
129	Pukenui/Western Hills Forest Trust	Whangarei	2,043
130	Puketi Forest Trust	Puketi	5,600
131	Pungaere Road Corridor	Kerikeri	400
132	Pupurangi Nature Sanctuary	Kaihu	1,294
133	Purerua Peninsula	Purerua Peninsula	6,500
134	QEII National Trust	Various	n/a
135	Rayonier Matariki Forests – Glenbervie Forest Project	Glenbervie	6,662
136	Reotahi Landcare	Whangarei Heads	82
137	Retreat Rd Trappers	Haruru - Puketona	205
138	Riponui Kiwi Project	Riponui	979
139	Riverlands Landcare	Ngunguru river	363
140	Ross Rd Landcare	Parua Bay	150
141	Ruakaka Forest Trappers	Ruakaka	101
142	Rukuwai Gateway Landcare	Owhiwa	44
143	Ruru Kaitiaki	Langs Beach	850
144	Russell Landcare	Russell, Bay of Islands	2,000
145	Russell-Orongo Bay Holiday Park	Russell, Bay of Islands	1
146	Sandy Bay Kiwi	Sandy Bay	3,590
147	Save the Kiwi Trust	New Zealand	n/a
148	South Kerikeri Inlet Landcare	South Kerikeri Inlet	1,044
149	Skudders Beach	Kerikeri	10
150	Springbank Collective	Kerikeri	7
151	Summit Burlace	Waiare	137
152	Summit Kahikatea	Ratea	185
153	Summit Kohumaru	Kohumaru	564
154	Summit Maungataniwha	Maungataniwha	570

155	Summit Mokau	Mokau	2,161
156	Summit Omahuta	Omahuta	585
157	Summit Otangaroa	Otangaroa	1,851
158	Summit Smedleys	Waiare	182
159	Summit Stanley-Hunt	Diggers Valley	127
160	Summit Te Hiku	Aupouri Peninsula	22,768
161	Summit Upokorau	Upokorau	2,886
162	Summit Van Crasbeek	Fairburn	332
163	Summit Wiseman	Waiotehue	196
164	Taheke Landcare	Centered around Taheke Scenic Reserve	1,800
165	Takahiwai Pest Control Group	Takahiwai	480
166	Tamaterau Waikaraka Group	Tamaterau - Waikaraka	620
167	Tanekaha Community Pest Control Area	Hikurangi	2,919
168	Tangiteroria School	Tangiteroria	3
169	Tapuhi Landcare	Tapuhi	100
170	Taupo Bay Coast and Landcare	Taupo Bay	1,850
171	Taurikura Ridge Landcare	Taurikura, Whangarei Heads	255
172	Teal Bay Landcare	Teal Bay	25
173	Te Arai Forest Troop	Te Arai	100
174	Te Ikaroa Landcare	Bay of Islands	52
175	Te Kāhu-Neighbours of Pukenui (TKN Landcare)	Kamo	10
176	Te Tangi o Te Ata	Eastern Bay of Islands	970
177	The Sanctuary	Mangawhai	180
178	The Shadehouse Volunteers	Kerikeri	1
179	Tiakina Whangarei	Whangarei	4,557
180	Top Energy CPCA	Ngawha	1,109
181	Tutukaka Landcare Coalition Trust	Tutukaka	8,000
182	Upokorau Summit Ecological Project	Upokorau	2,166
183	Upper Pungaere Trappers	Pungaere	319
184	Utukura Trappers	Utukura Valley, Okaihau	717
185	Vision Kerikeri/Friends of Wairoa Stream	Kerikeri	25
186	Volunteering Northland	Northland	n/a

187	Waiare Rd Landcare Group	Waiare	100
188	Waihoihoi Kaitiaki	Waipu	380
189	Waihou Valley Trapping	Puketi	92
190	Waikare Whenua Kaitiaki	Waikare	200
191	Waimate North Landcare	Waimate North	5,000
192	Waipapa West Trappers	Waipapa	64
193	Waipu Kiwis	Waipu	650
194	Waipu West Kiwi	Waipu	880
195	Wairahi Trapping Group	Langs Beach	35
196	Waitangi Iwi Kiwi Project	Waitangi, Bay of Islands	4,747
197	Waitangi-Haruru Walkway	Waitangi, Bay of Islands	174
198	Waitangi Treaty Grounds	Waitangi, Bay of Islands	10
199	Warawara Whenua Ngahere	Warawara	11,051
200	Wekaweka Landcare	Wekaweka Valley, Kauri Coast	1,542
201	Whakaangi Landcare Trust	Hihi Peninsula	3,200
202	Whakapara Pest Control Group	Whakapara	217
203	Whananaki Landcare	Whananaki	7,943
204	Whangarei District Council	Whangarei	n/a
205	Whangarei Heads Habitat Restoration Trust	Whangarei Heads	(incl in WHLF)
206	Whangaruru Nth Residents & Ratepayers	Whangaruru Peninsula	284
207	Whareora Landcare	Whareora/Mt Tiger	2,159
208	Whau Valley Landcare Group	Whau Valley, Whangarei	15
209	Whiritoa Stream Trappers	Waipapa	30
210	Wild Kiwi Girls	Kaeo	40
Total area managed in ha			241,249

Principal Partner



Collaborating organisations and companies



Direct funders and sponsors

