



# *Kiwi Coast Annual Report 2021*

Kiwi Coast Trust, July 2021



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Front page: Marohi the kiwi, Tutukaka Landcare Coalition.  
Photo: Malcolm Pullman, photosnz.co.nz



## Executive Summary

This Annual Report presents key activities and achievements from the eighth year of operation of the Kiwi Coast from July 1, 2020 – June 30, 2021 and a summary of achievements to date against Key Performance Indicators, Objectives and Goals identified in the [Kiwi Coast Trust Strategic Plan](#).

Since getting underway eight years ago, the Kiwi Coast has continuously expanded, as existing projects linked in and new groups started. The Kiwi Coast has grown to operate at a regional scale, linking projects over 291km from Mangawhai at the southern limit of the Northland region to the Aupouri Peninsula in the Far North.

As at June 30, 2021, 187 entities have linked into Kiwi Coast, 181 of which are community-led groups and active projects. Collectively, these groups and projects manage approximately 224,760 hectares.

Kiwi Coast continued to strategically support predator control in key areas to link projects and build continuous networks across landscapes to boost kiwi survival and allow their safe dispersal into new areas.

Monitoring results demonstrate the strength of Kiwi Coast's collaborative approach. Collated trap catch data shows that close to half a million animal pests have been trapped by groups and projects involved in the Kiwi Coast over the last eight years. On average, over 1,800 animal pests are now trapped on the Kiwi Coast every week.

Seventy-six skill building workshops have now been held by Kiwi Coast, 21 of these over the last year alone despite Covid-19 restrictions still causing some event cancellations.

A total of 18,367 people have attended Kiwi Coast supported events and workshops over the past eight years. These events were also prime opportunities to deliver key messages around kiwi recovery and the importance of good dog control to kiwi survival.

Funding of Kiwi Coast Trust operations from Foundation North and Northland Regional Council-Kiwi Coast Partnership Funds continued to ensure a firm base of support. Additional funds from sponsors and supporters were gratefully received and assisted with key projects including the Freemasons sponsored NZAT220 field trial.

While still in their early days the successful repeat of two key pieces of long-term outcome monitoring – the five-yearly Kiwi Listening Blitz and Kākā and Korimako Surveys – will, in time, help to demonstrate whether sustained pest control and active kaitiakitanga yields the desired results. The continued expansion of highly sensitive threatened species such as pāteke on Northland's east coast suggests we are all are on the right track.

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 create wildlife-friendly corridors through Northland will not only allow tāonga species such as kiwi to roam and disperse in safety, but also take essential steps towards restoring regional gene flow.

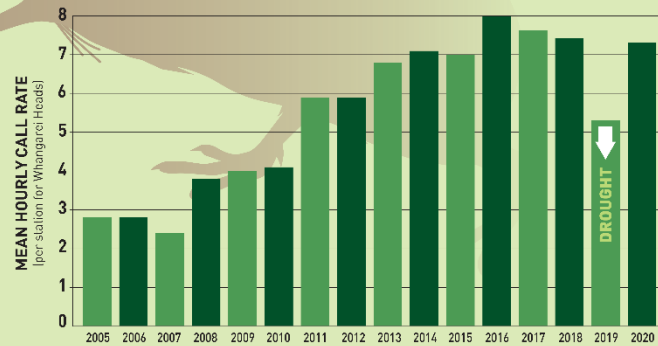
# KIWI COAST

## 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 900.



Example: Backyard Kiwi Call Count data



Northland is better off with **492,458** animal pests **GONE!**



- 204,323 possums
- 191,902 rodents
- 32,021 pest birds
- 19,795 hedgehogs
- 16,979 wild rabbits
- 15,302 mustelids
- 5,850 feral cats
- + 6,286 other pest species

These figures show pests trapped by Kiwi Coast groups and projects **over the past 8 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



**kiwicoast.org.nz**

## 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 Coast coordinators work on-the-ground to help support, enable and sustain the groups and projects involved. Kiwi populations are linked through connecting people, projects and places across Taitokerau. While the work varies and continues to evolve, it includes:

- Coordinating and enabling iwi, hapū 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.



## Health and Safety

Kiwi Coast has maintained *Sitewise* accreditation over the past year with the annual re-assessment currently in preparation.

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, high-vis vests and work shirts have been provided by Kiwi Coast to key contractors in addition to 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.

Funding of Kiwi Coast Trust operations and activities were primarily funded by Foundation North and the Northland Regional Council-Kiwi Coast Partnership.

Additional funds were also received from the Freemasons, local sponsors and the Trust's own fundraising activities (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.



"Follow a Kiwi" promotional postcard.



Tutukaka Kiwi Crossing Sign. Image: Lesley Baigent and Dean Wright

## Entities Collaborating in Kiwi Coast

The number of entities collaborating in Kiwi Coast has more than quadrupled, increasing from 32 in Year 1 to 187 entities in Year 8 (See Maps 1 and 2). This includes 181 active groups and projects and six supporting agencies, organisations, businesses and educational institutions. Collectively, these groups and projects manage approximately 224,760 hectares (See Appendix 2).

The momentum of the Kiwi Coast shows no signs of slowing down as more and more Northlanders get involved in actively caring for their kiwi and link into the Kiwi Coast. Supporting groups to connect trapping networks, find efficiencies and maximise ecological gains remains a key focus of the Kiwi Coast Trust.



Map 1: Kiwi Coast 2012, 32 projects. Map: NRC







## 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 eighth year in a row to show the collective impact being achieved across Northland. This year 142 Northland projects, groups, and organisations submitted data that showed 95,824 pests were collectively trapped in 2020 alone.

The grand tally for the past eight years has now reached 492,458 pests. On average, over 1,800 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.

Kiwi Coast Coordinators provided targeted support to help foster, link and amplify community, iwi and hapū-led pest control and forest recovery across Northland. Four key areas were targeted during 2020/21: the Far North, Mid North-Bay of Islands, Whangarei Heads – Tutukaka Kiwi Corridor, and Piroa – Brynderwyns.



10 kiwi ready for departure from the Motuora Island kiwi creche to Taheke Landcare. Photo: Kiwi Coast

Northland  
is better  
off with

**492,458** ANIMAL PESTS **GONE!**



These figures show pests trapped by Kiwi Coast groups and projects over the past 8 years.

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

[kiwicoast.org.nz](http://kiwicoast.org.nz)

## Far North

Lesley Baigent continued as the dedicated Far North Kiwi Coast Coordinator, assisting new community, hapū and iwi-led 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. A number of local workshops and information days were held to assist with this, with the Wāhine Māia trapping workshop held in conjunction with Te Rarawa being a particular highlight.

Lesley says:

“The Wāhine Māia Workshop with Te Rarawa went really well. I hope to do lots more of these around the Far North as women make awesome trappers and we need to get that message and skill set out there! In many of our smaller isolated communities there is an unrecognised potential workforce who just needs some tools and trapping knowledge to get them started, motivated and become great local role models.”

Strengthening relationships and networking between existing community, iwi and hapū-led projects, agencies and organisations in the Far North continued to be key. This has assisted Far groups with building collaborative pest control networks across large areas in the Far North, and into the Mid North.

The work of two particular community-led projects has been boosted with significant funding independently received through Jobs for Nature scheme. In the Far North the Honeymoon Valley-Mangamuka-Otangaroa kiwi corridor has been the recipient of impressive funding for the next three years. This project is significant for the Far North and, while in its infancy, has potential to be a great showcase of uniting a number of diverse communities in the protection of native flora and fauna. The recent announcement of significant funding to Omahuta-Puketi is also a real winner for

the Far North. Kiwi coast is, and plans to continue, being active in both these projects as required.

Another highlight of the year was the successful rehabilitation of a kiwi caught in a ground set leg hold possum trap at Owata on the west coast, where kiwi had not been heard for 15 years. While this was an unfortunate way for kiwi to be rediscovered in the area, it provided an excellent opportunity 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.

As a Certified Conservation Dog Handler, Lesley also assisted Kiwi Coast projects on request with specially trained “kiwi dogs” Tohu and Yagi to investigate kiwi population dynamics.



Lesley Baigent returns Manukaha the kiwi to Owata.

## Mid North – Bay of Islands

The Mid North area of Kiwi Coast completed year three of the NRC High Value Area (HVA) Program and continued to gain momentum towards a connected landscape-scale pest control network (See Maps 3 and 4).

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

Collation of trap catch data showed that in 2020 a total of 39,098 pests were removed from the Mid North alone. This included 12,175 possums, 13,237 rats, 450 stoats and 496 feral cats.

### **Pest Free Purerua Peninsula**

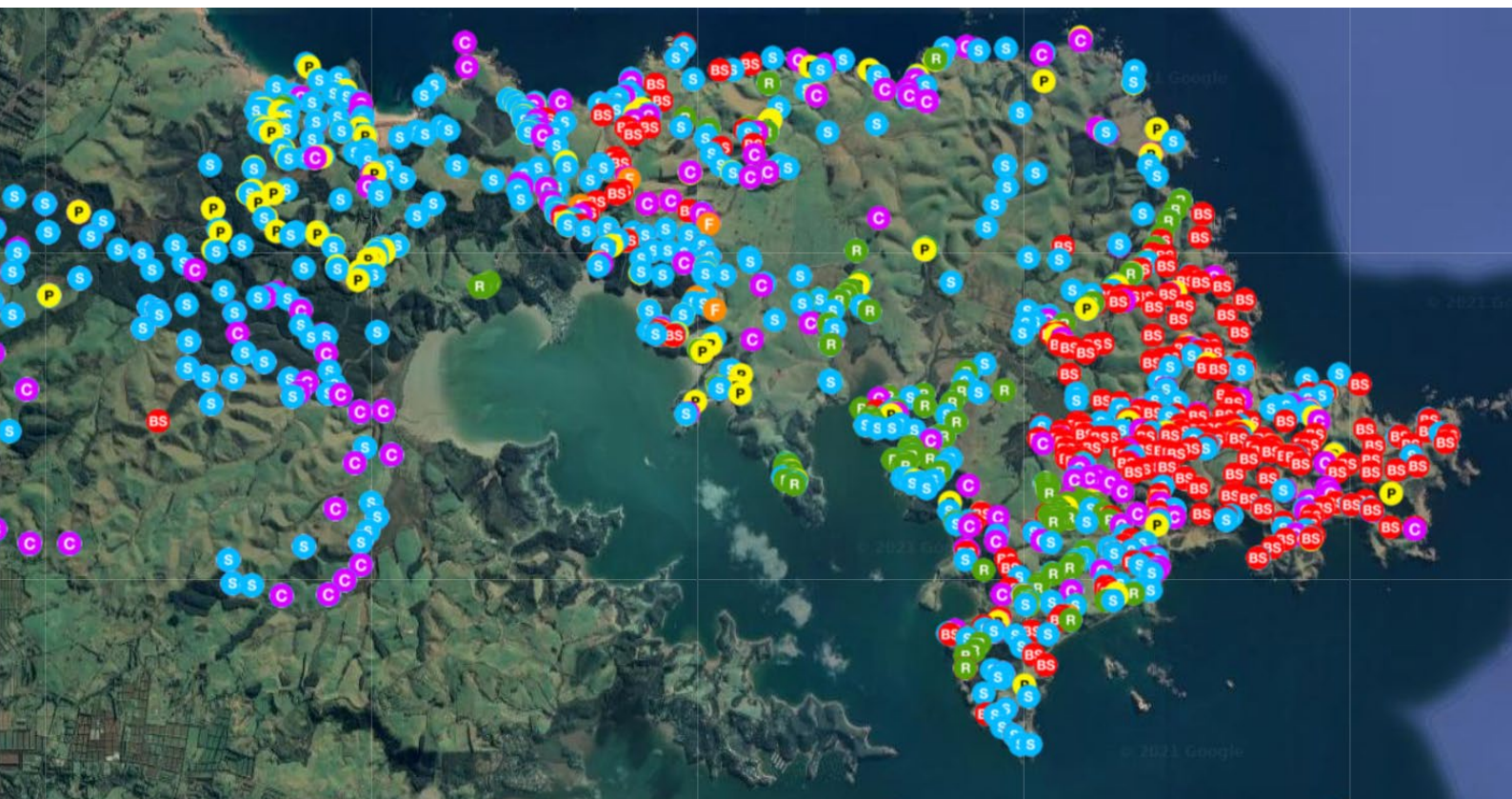
A highlight of the Mid-North over the past year has been the establishment of the ‘Pest Free Purerua Peninsula’ project. The Purerua Peninsula covers 7,600ha on the northern reaches of the Bay of Islands and is home to the highest density of kiwi anywhere on the planet!

The Pest Free Purerua project builds on over 20 years of community-led pest control and kiwi stewardship. A successful grant through Kiwis for Kiwi from DOC's Jobs for Nature Funding in January boosted efforts from ongoing pest suppression to ‘chasing zero.’

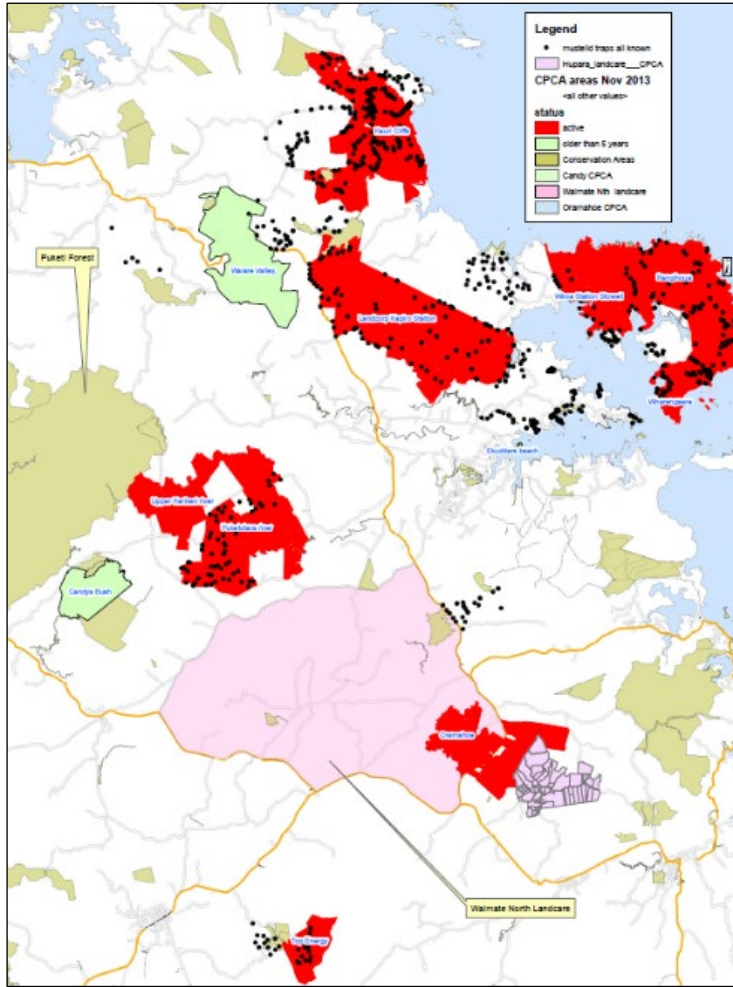
The aim of the project is not only to clear out animal pests from the peninsula, but also create biodiversity corridors where wildlife can thrive and roam. An 8,000ha pest controlled buffer zone is also being created outside the peninsula from Kapiro to Rangitane to suppress pest reinvasion.

Since January, hundreds of new traps and pest control devices have been deployed, taking the total number of traps to 1,819. To date 7,097 pests have been trapped on the peninsula, with possum bite-mark indexing recording a low rate of just 1% in 2021. Standard DOC 200 traps for stoats, SA2 kill traps for possums and rat traps have been the mainstay of trapping.

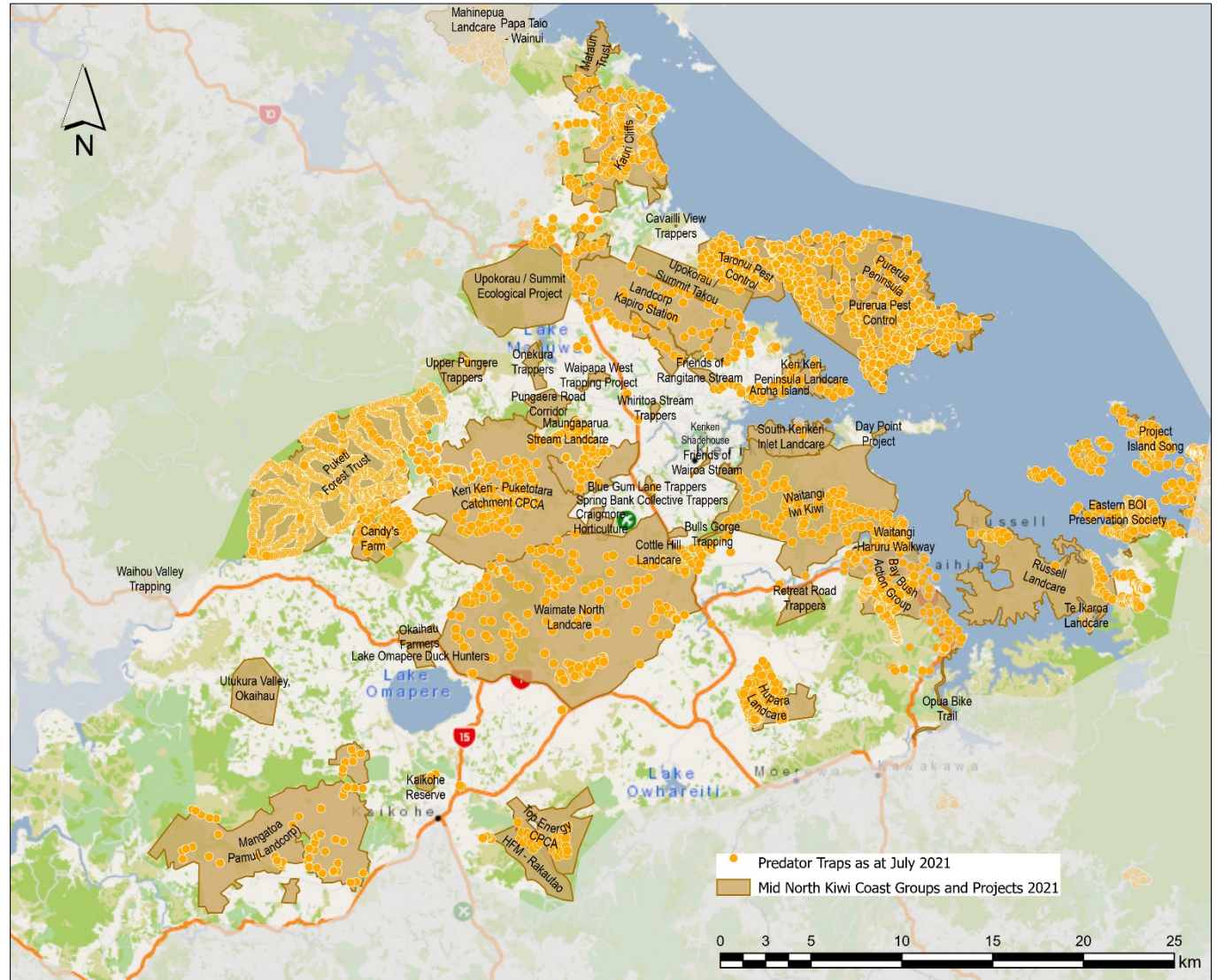
The next step for the project is to employ Celium trap reporting technology to assist with trap servicing efficiency and improve control of pest hot-spots.



Pest Free Purerua Peninsula Traps, 2021. Image: Trap.NZ



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



Map 4: Mid North Groups and Predator Traps, June 2021. Map: A. Duxfield

## Whangarei Heads – Tutukaka Coast Kiwi Corridor

This is the First Focus area of the Kiwi Coast.

Linking the kiwi 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 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. Monitoring (eg, annual pāteke flock counts) demonstrates that this ever-growing landscape-scale pest control network is helping native forests to flourish and wildlife to increase and disperse.

Public kiwi releases, attended by hundreds of keen locals were held at Parua Bay, Taheke and Tutukaka. These events continue to be a cornerstone of community engagement, winning hearts and minds, inspiring further community stewardship, building the social licence for pest control tools and motivating excellent dog control.

### **Kiwi Link CPCA**

Maps 5 and 6 show how the number of predator traps and community groups between Parua Bay and Ngunguru Ford have increased markedly over

the last eight years with the support of Kiwi Coast and Northland Regional Council.

This is known as the “Kiwi Link Community Pest Control Area (CPCA)” and involves ten projects working together over 14,133 hectares.

In addition to funds provided during the 2020/21 financial year by NRC and Kiwi Coast Trust, local land managers, businesses and private landowners contributed over \$663,853 of unpaid labour and resources throughout the Kiwi Link CPCA. This demonstrates their outstanding commitment and dedication to their native forests, wildlife and kiwi.

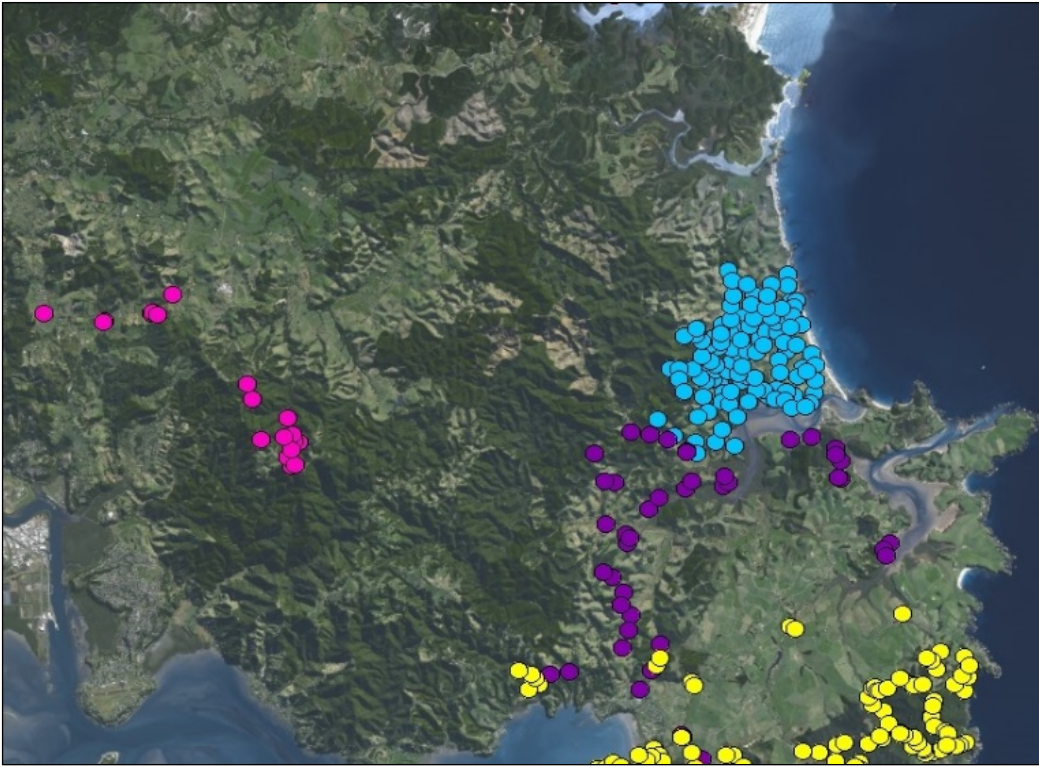
Over the last five years, Kiwi Link has removed 27,449 roaming animal pests. This has helped to improve forest health and restore birdsong to the once near-silent forests. Monitoring data, including five-minute birdcounts, show upward trends in populations as a direct result of the hard work being carried out by the many local landowners and land managers involved.

Kiwi are going from strength to strength throughout the Whangarei Heads – Kiwi Link – Tutukaka Coast area. The confirmed movement of translocated kiwi between the Whangarei Heads peninsula and through the Kiwi Link CPCA shows the kiwi corridor is beginning to work.

Kiwi Link looks forward to continuing its operations and pursuit of goals as it takes the next step to become Northland’s 6<sup>th</sup> High Value Area and plays its part in the ambitious Predator Free Whangarei project.



Bill Hamilton shows Matarae the kiwi before the 2021 Backyard Kiwi release. Photo: Wendy Bown



Map 5: Predator Traps 2013. Map: NRC



Map 6: Kiwi Link CPCA Groups and Predator Traps, June 30, 2021. Map: A. Duxfield

## Southern Area

Amy Kirk provided support to groups and projects in the southern area of Northland on a short-term contract from March 2020 - June 2021.

Key focus areas included organising training workshops, supporting the development of environmental education resources and assisting groups with activities as needed.

### Piroa – Brynderwyns High Value Area

Piroa-Brynderwyns Landcare (PBL) is a collective of 17 groups and projects who are working together to restore biodiversity over approximately 23,000 hectares in the Brynderwyn Hills range and surrounding area on the southern border of Northland (See Map 7).

Over the past year, PBL has further intensified and expanded their trapping network. Thanks to funding support from Northland Regional Council, PBL has continued its work with landowners, professional and volunteer trappers to increase the total number of predator traps across the Brynderwyn range to 1,250.

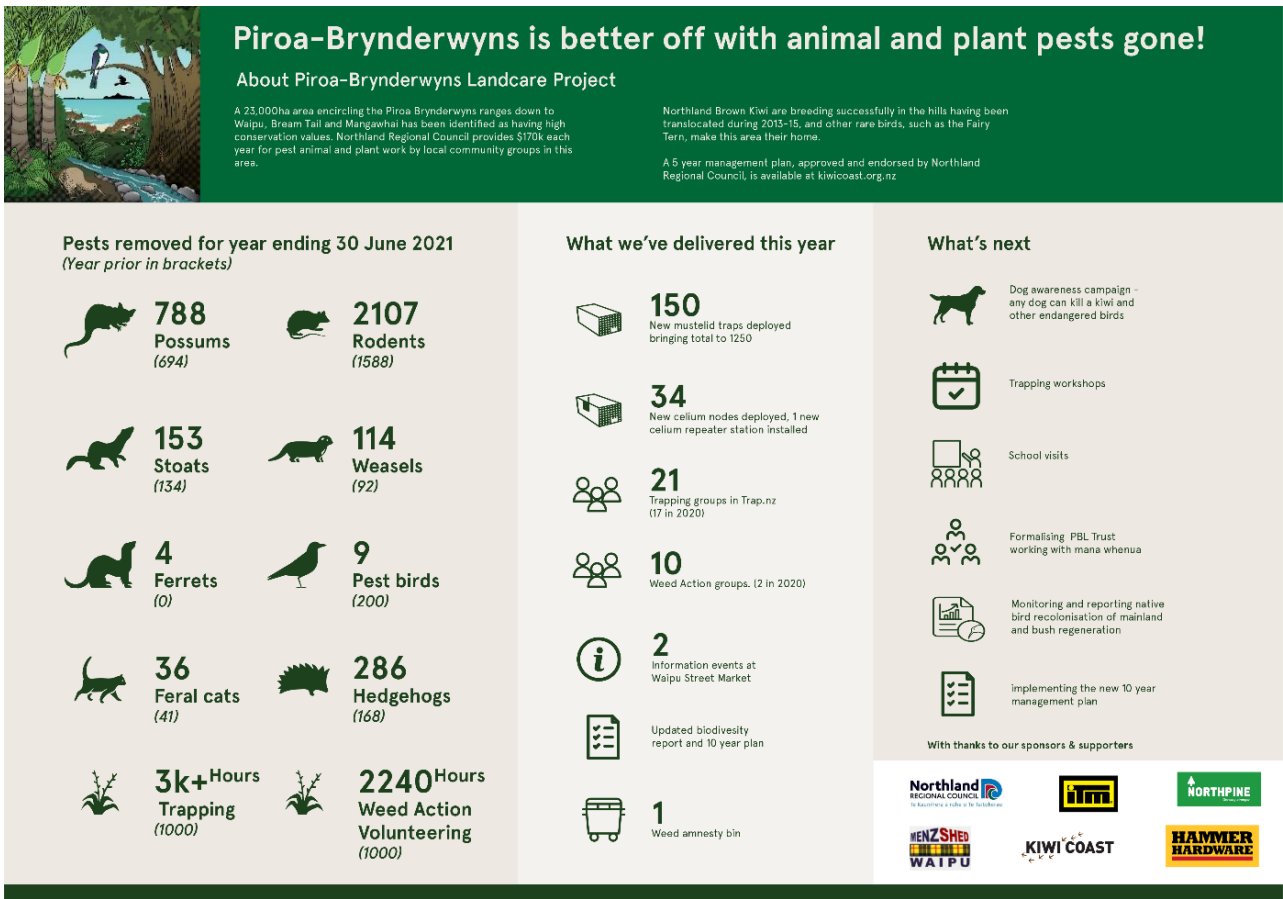
Collectively 3,521 pests were trapped in the PBL project area in 2020/21 (up from 2,739 the year before), including 271 mustelids (stoats, ferrets and weasels). Local sponsors Northpine, ITM, Hammer Hardware and the Waipu Men’s Shed, have helped to keep the costs down, and made the Northland Regional Council funding to go further.

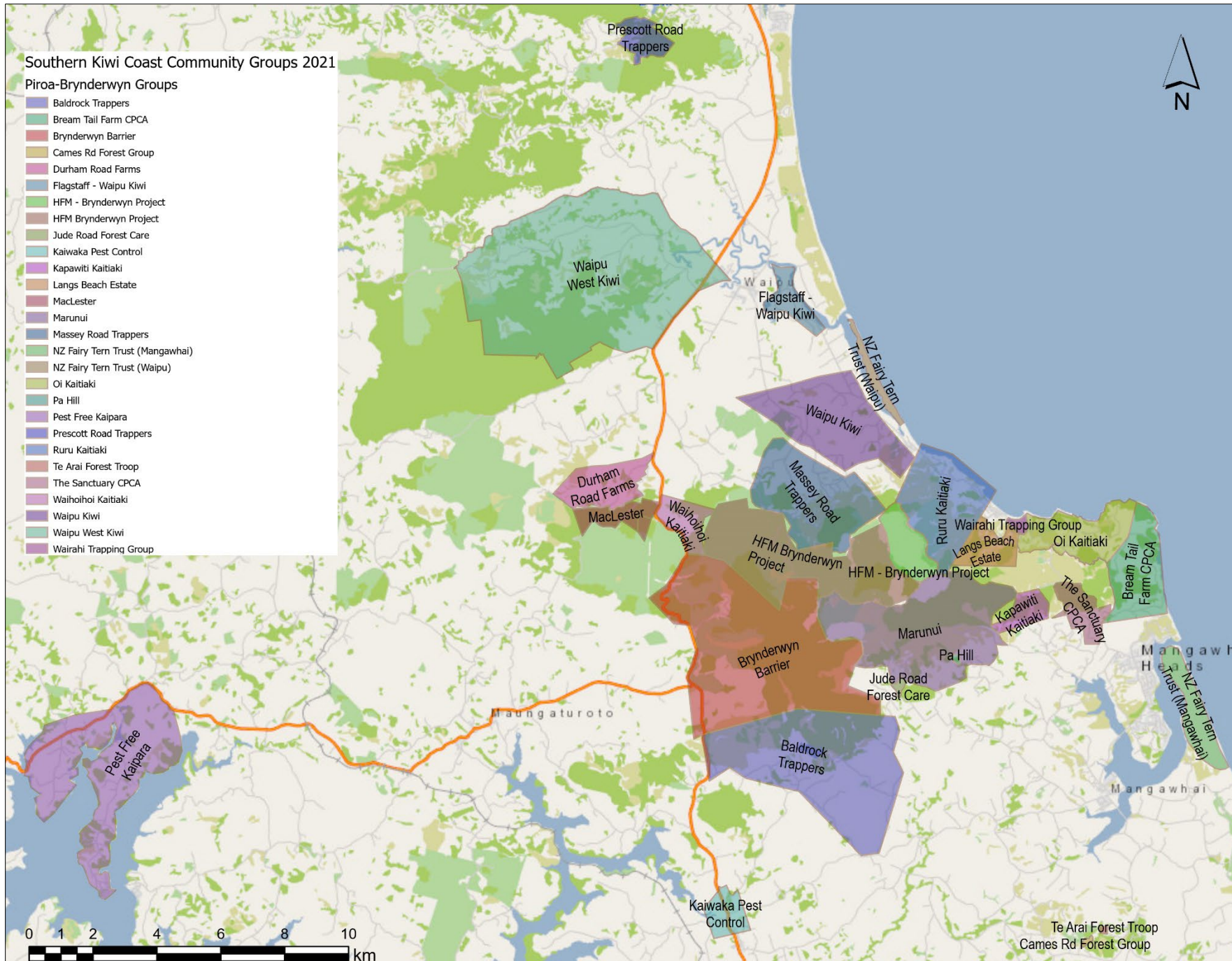
PBL engaged with the local community with two information events at the Waipu street market. The annual Trapper Training Workshop supported by Kiwi Coast continued to be popular, attracting 51 keen local forest-savers and pest controllers.

A huge achievement for the year has been the completion of an environmental management strategy, which was put together by PBL and ecologist Amy Bazeley in collaboration with landowners, community groups, iwi, hapū, agencies and organisations from the wider area. The strategic plan highlights the significant biodiversity values of the area as well as opportunities to protect and restore them, providing a blueprint for the way ahead.

PBL's end-of-year report card assesses progress towards goals and milestones identified in its Strategic Plan. This showed that the collective has had a successful third year of operation and is on track to achieving their goals.

PBL Dashboard. Illustration: Peter Hunt





Map 7: Southern Kiwi Coast Groups and Projects as at June 30, 2021. Map: A. Duxfield



## Western Area

Kiwi Coast Coordinators also provided support, training and assistance to groups and projects in western Northland.

The growing number of community-led projects linking into Kiwi Coast from the west is helping to protect local kiwi populations that may be genetically distinct from those on the east coast, and establish the first building blocks of a west – east kiwi corridor across Northland.

## Improving Dog Control and Raising Awareness

Uncontrolled dogs continued to be a key concern of communities and remains 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, workshops and kiwi releases. ‘Kiwi Live Here’ signs, customised with group names and selected dog control messages continued to be popular and were supplied on request.

However, while media reports of roaming feral dog packs in the Far North caused considerable alarm, the threat posed by uncontrolled pet dogs seems to remain less well understood, despite further kiwi deaths from dogs during the year. On the Purerua Peninsula alone, nine kiwi were killed over a six month period. DOC have collected DNA samples for analysis.

While Kiwi Aversion Training workshops are held annually for hunting and working dogs, few resources are available for owners of pet and lifestyle dogs in kiwi zones. Recognising this gap, Kiwi Coast Far North Coordinator and retired vet Lesley Baigent has developed a new workshop with a novel approach.

Lesley says:

“To approach this a different way, we have developed a workshop based on dogs rather than kiwi. The focus is on helping owners understand how dogs think, what motivates them, what different breeds do, and simple things owners can do to keep dogs happy and safe in kiwi zones. Any community group running aversion training for hunting and working dogs, can have this workshop as an alternative for pet and lifestyle dogs.”



Kiwi Coast Workshop Flyer. Image: Dean Wright & Lesley

## Events & Engagement

Kiwi Coast continued to support, assist and promote community-led biodiversity stewardship/kaitiakitanga at a multitude of events, workshops, presentations, and A&P shows throughout Northland.

A further 2,180 people attended Kiwi Coast supported events and workshops throughout the year, taking the total number of people over the last eight years to 18,367.

These people came together to celebrate kiwi as a tāonga, build skills and deepen their understanding about how to help kiwi thrive. Just as importantly as allowing people to engage with kiwi, these events also provided prime opportunities to deliver key messages around kiwi recovery and the importance of good dog control to kiwi survival.

## Education

A number of environmental education resources were completed in collaboration with key agencies and organisations.

The Northland Pest Control Guidelines were comprehensively reviewed and updated in conjunction with the NRC Biosecurity Team.

Working with the Kiwi North Science Educator, two Kiwi Coast Fact & Activity Sheets were completed, growing Kiwi Coast's Northland focussed resources for schools and educators.



## 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.

A total of 76 workshops have been held since 2013 throughout the Kiwi Coast. Localised 'Trapper Workshops' aimed at building practical pest control skills for landowners continued to be popular.

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.

Twenty-one skill building workshops were either supported or held by Kiwi Coast over the past year:

- Kauri Landcare Trapping Workshop
- Piroa-Brynderwyns Landcare Trapping Workshop
- Pest Free Mangapai Trapping Workshop
- Sitewise Health & Safety Systems Workshop
- Ngunguru Ford Landcare Trapping Workshop
- Trap.NZ Training & Troubleshooting Workshop
- 2020 Northland Pest Control Workshop
- Wāhine Māia Women's Trapping Workshop
- Kaiwaka Trapping Workshop
- NZAT220 Workshop & Fieldtrip
- 8 x Kiwi Listening & App Training Workshops
- Northland Pest Control Wānanga 2021
- Waiare Rd Landcare Trapping Workshop
- Prescott Rd Trapping Workshop

## 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 eight years, Kiwi Coast communications have reached tens of thousands of people, both locally and internationally.

As at June 30, 2021:

- An average of 1,528 people visited the Kiwi Coast website each month over the last year
- 1,066 people subscribe to Kiwi Coast's monthly e-newsletter.
- Facebook 'Follows': 2,125
- Instagram 'followers' (began October 2019): 521

Kiwi Coast has also enjoyed a strong media presence, with articles featuring in an array of local, regional and national online and printed media including Radio NZ and MORE FM radio stations the, NZ Herald, Northern Advocate, Northland Age and Whangarei Report. Kiwi Coast also featured on Country Calendar and Rural Direct TV programs and were proud to be selected by Foundation North as a feature project for their digital Annual Report and website.

## 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 2020

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'.

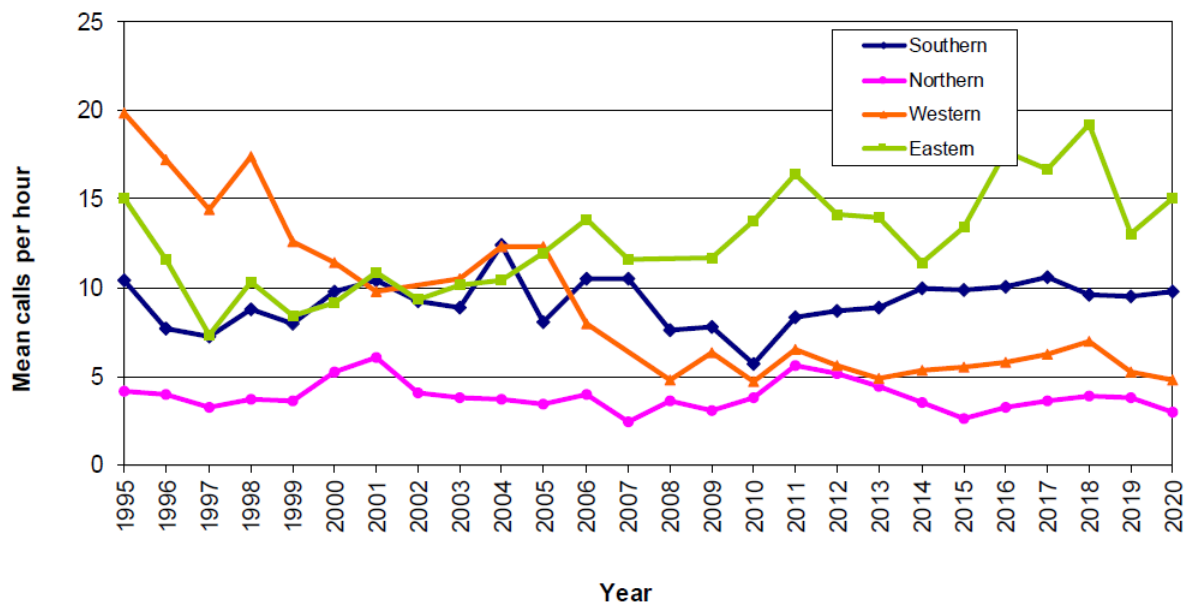
For the second year in a row, the Kiwi Coast Listening App assisted with making the monitoring more efficient and enjoyable (see page 29).

The 2021 report stated (Craig, 2021):

**“It was positive to see that the pronounced pattern of decreasing kiwi call rates observed between 2018 and 2019 did not continue into 2020 for many of the clusters.”**

**“The effect of at least 2 years in a row of [drought] conditions which very likely reduced the breeding output of kiwi may be picked up in kiwi listening surveys in 3–4 years' time, due to lower recruitment and therefore fewer individuals reaching adulthood and starting to breed.”**

Figure 1: Annual Kiwi Call Count Survey Data, 1995 – 2020 (Craig, 2021)



### Kiwi Listening Blitz #2

Kiwi Coast carries out a 'Kiwi Listening Blitz' using acoustic monitoring devices or Kiwi Listening Devices (KLDs) every five years. This monitoring is designed to track changes in the Northland brown kiwi population and distribution within the Kiwi Coast collective project area over time, with the expectation that kiwi numbers will increase and expand into new areas in response to sustained pest control and improved dog control.

Prior to each survey, Kiwi Coast works with kiwi practitioners, DOC and NRC to prepare a pre-survey map to assist with targeting sites and fieldwork planning. Kiwi Listening Blitz survey sites are selected according to habitat, land use, ownership, ease of access and to fill the gaps in knowledge of kiwi presence in Northland. Existing human kiwi listening stations that are monitored as part of the annual Northland Kiwi Call Count Survey are excluded, as are known high kiwi density population areas. Data is also collated from KLDs used in Northland within the previous 12 months to avoid unnecessary re-surveying of sites.

During the first Kiwi Listening Blitz in 2016, the Kiwi Coast collective project area was 75,000 hectares. Fifty-eight sites were surveyed, with kiwi detected at 65% of them.

Kiwi Listening Blitz#2 re-surveyed the 2016 sites, as well as an additional 170 sites to investigate the expanded Kiwi Coast project area of 205,000ha at the beginning of the fieldwork in 2020. The fieldwork was led by Dr Karen Verdurmen with early assistance from NorthTec Conservation Management Students.

A total of 228 sites were surveyed during Kiwi Listening Blitz #2. Kiwi were detected at 137 or 60% of the sites surveyed. All sites surveyed in 2016 that recorded kiwi, still had kiwi in 2021.

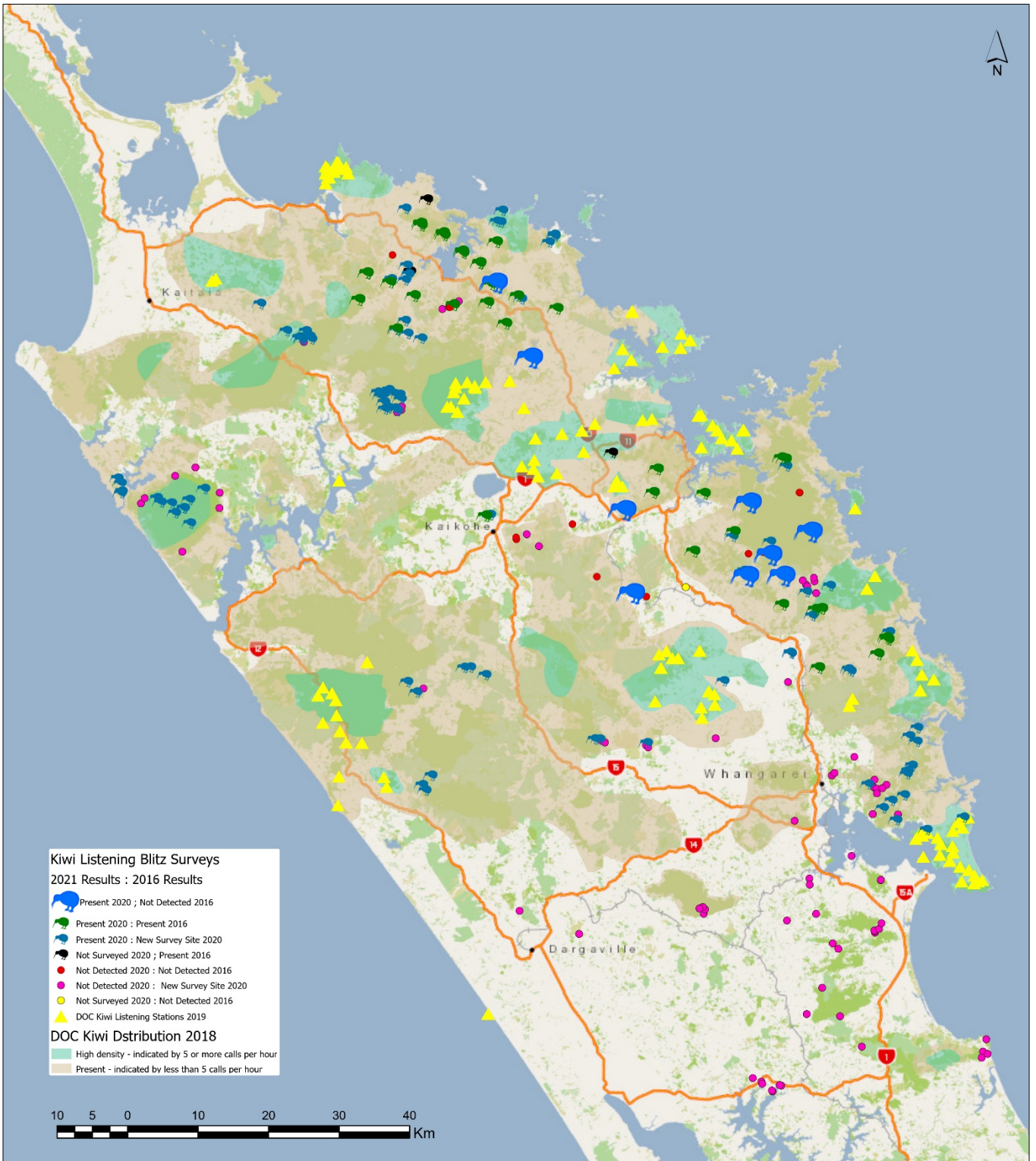
Excitingly, 50% of sites that did not detect kiwi in 2016 were found to have kiwi in 2021. These results were of great delight to the landowners and communities involved who had been working hard to 'get kiwi back'.

As shown in Map 8, the biggest cluster of sites surveyed during the second listening blitz that did not detect kiwi (37 sites) were located in the area between Whangarei and Waipu. The absence of kiwi in this area has been noted since at least 1995 (eg, Miller and Pierce). Hopefully, the growing number of community-led projects in this area will help to restore kiwi to this area in time.

Dr Verdurmen noted the amazing amount of help and assistance received throughout the fieldwork:

“The Kiwi Listening Blitz could not have been completed without the help of many people...

Special thanks to all the landowners who welcomed us on to their land, accompanied us to the survey sites, shared their knowledge about the history of the land, kiwi, other wildlife, plants, waterways, many wonderful personal stories, and mostly, their passion for looking after the land. It has genuinely been a privilege meeting you all.”



Map 8: Kiwi Listening Blitz Results 2016 & 2021. Map: A Duxfield

## Indicator Species Monitoring

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

This program monitors the recovery of other iconic Northland species over time in order 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*).

## Pāteke

Pāteke are the rarest mainland duck in New Zealand. Kiwi Coast works each year with community groups, specialist staff at DOC and NorthTec to assist with the Annual Northland Pāteke Flock Counts and investigate new sites.

Analysis of the Annual Pāteke Flock Count data confirms that while pāteke continue to flourish in eastern Northland, there was a slightly reduced number of brown teal recorded in 2021 (661, down from 704 in 2020) See Figure 2.

Nigel Miller, Senior Ranger Biodiversity for DOC commented:

“The slight reduction in the 2021 flock counts in some locations is being compensated to some degree by the population expanding southwards into new sites (e.g Tapps ponds, Pataua North), so the extensive predator control being done by the Kiwi Coast initiative is really helping pāteke re-establish in areas [where] they have been virtually absent for decades.”

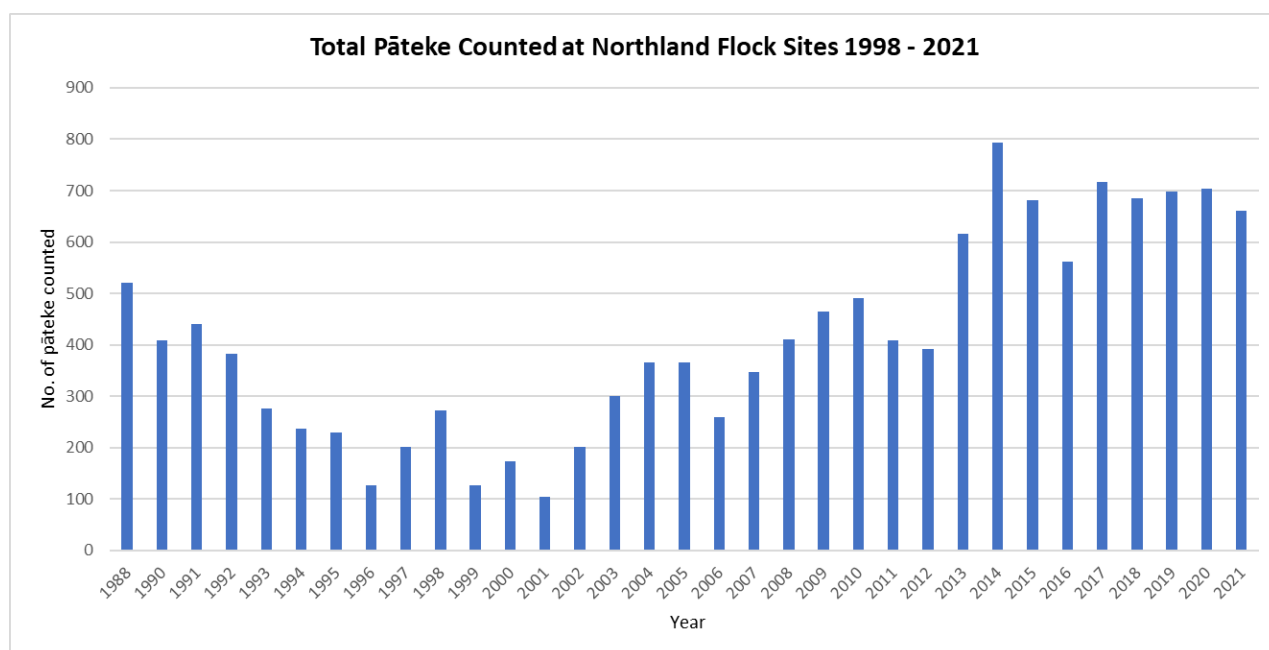


Figure 2: Northland Pāteke Flock Count Data. Source: Department of Conservation, 2021

## Kākā & Korimako Survey

Kiwi Coast's second five-yearly Kākā and Korimako Survey has been completed in partnership with NorthTec. The aim of the second survey was to determine if the distribution of these species has increased, decreased, or remained static since the first survey in 2016.

While rare on the mainland, kākā and korimako exist in good numbers on the offshore islands off Northland's east coast. It is hoped that they will naturally return to the mainland in response to the significant and growing amount of pest control being carried out.

Kākā and bellbird currently visit some Northland areas sporadically – especially in winter when island food sources are low. However, by conducting the survey in summer, it is expected that any birds detected will be permanent residents rather than temporary visitors.

The first survey conducted in 2016 investigated 25 sites for the presence or absence of kākā and korimako. Twenty-three of these sites were resurveyed over the 2020/21 summer, as well as an additional 12 sites due to the expansion of the collective Kiwi Coast project area since the date of the first survey.

The 2016 survey only detected korimako at one site (Bream Head Scenic Reserve). In the 2021 survey, bellbirds were again detected at Bream Head as well as an additional five sites – Reotahi / Mt Aubrey, Manaia Ridge Scenic Reserve, Mangawhai Cliffs, Kauri Mountain, and Otamure Bay (Whananaki North) (See Map 9).

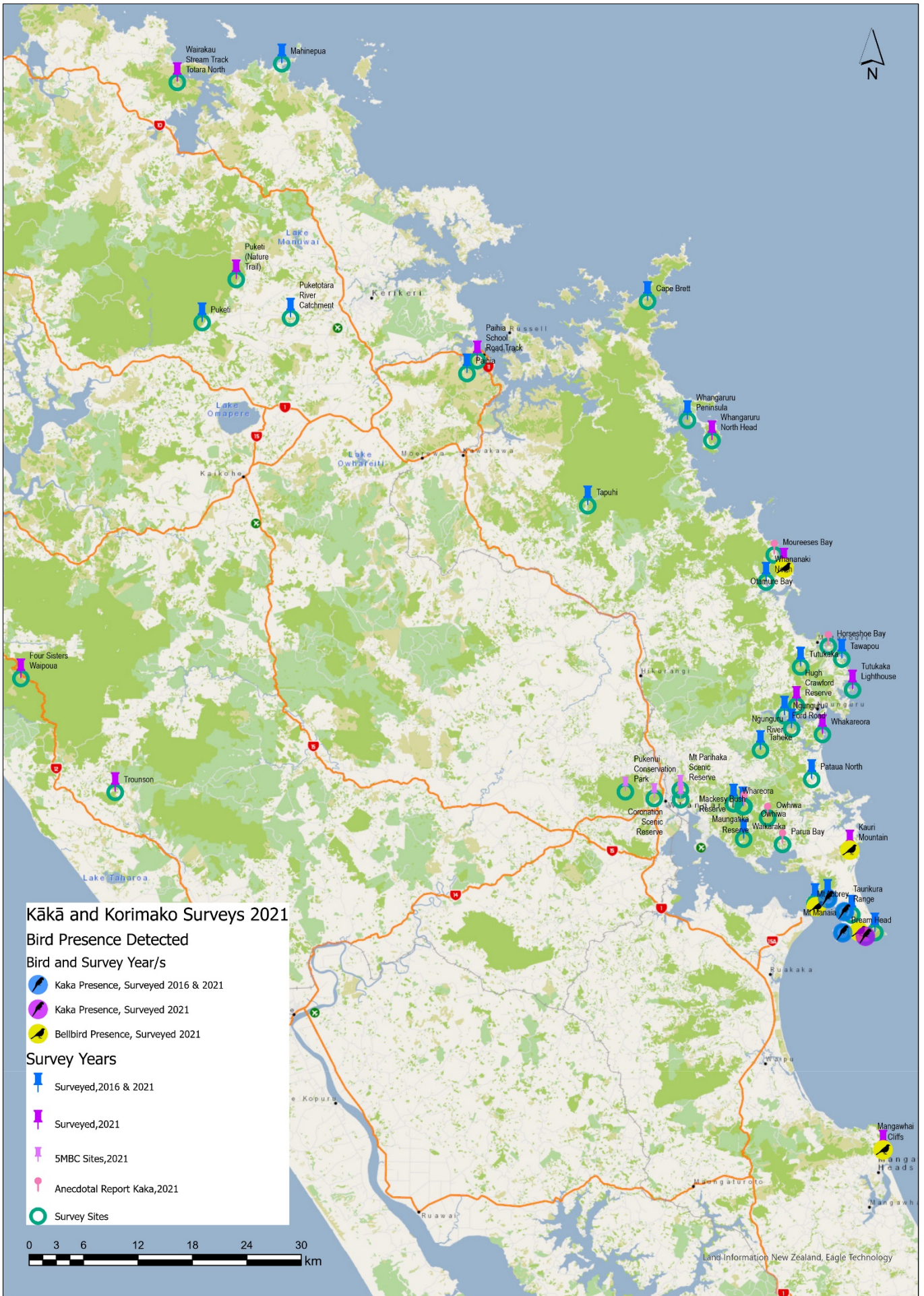
Kākā were detected at Bream Head Scenic Reserve, Taurikura Ridge, and Manaia Ridge Scenic Reserve in 2016. In 2021 they were only detected at one site – Bream Head Scenic Reserve although Taurikura was unable to be re-surveyed affecting this result.

The survey report concluded that (Ambury et al., 2021):

“Despite the slight changes in the numbers of sites that detected or did not detect these species, the data suggest that the distribution of kākā and bellbird are still very restricted across the Kiwi Coast. If mammalian predation is limiting these species’, it is hoped that with continued predator management the distribution of these species will be greater when the surveys are repeated in 2026”.



Kākā and Korimako Monitoring Crew at Bream Head, January 2021.



Map 9: Kākā and Korimako 2016 & 2021 Survey Map: A Duxfield



**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, 2021
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.	Kiwi call count data from 1995 - 2020 shows overall trend of stable or increasing kiwi populations at managed sites.  Map updated by DOC in 2016 showing new kiwi populations.
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).	Second Kiwi Listening Blitz completed. Kiwi detected at 50% of sites in 2021, that did not detect kiwi in 2016.
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.  DOC dead kiwi database.	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).	2020 Pāteke Flock Count completed. Pāteke distribution continues to expand on Northland's east coast.  Second five-yearly Kākā and Korimako Survey completed. Results show no significant change in distribution of either species.
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.	492,458 animal pests collectively trapped over past eight years.  Approximately 224,760 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, 2021
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.	187 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.	73 workshops held since 2013.  Total number of people at Kiwi Coast supported workshops and events since 2013: 18,295
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: 1,528  Electronic newsletter: 1,066 subscribers, 48% opening rate (Industry average is 19.02%).  <u>Social Media:</u> Facebook 'Follows': 2,125.  Instagram (began October 2019): 521 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

Kiwi Coast encourages the development of new tools and technology that will help Northland projects find efficiencies and maximise ecological gains.

### Kiwi Listening App Upgrade

The Kiwi Coast Listening App created in 2020 was updated and refined with further features to allow greater efficiency of data collation for local kiwi call count coordinators.

Eight Kiwi Listening Training Workshops were held in conjunction with the Department of Conservation to train new app users and demonstrate the new features of the upgrade.

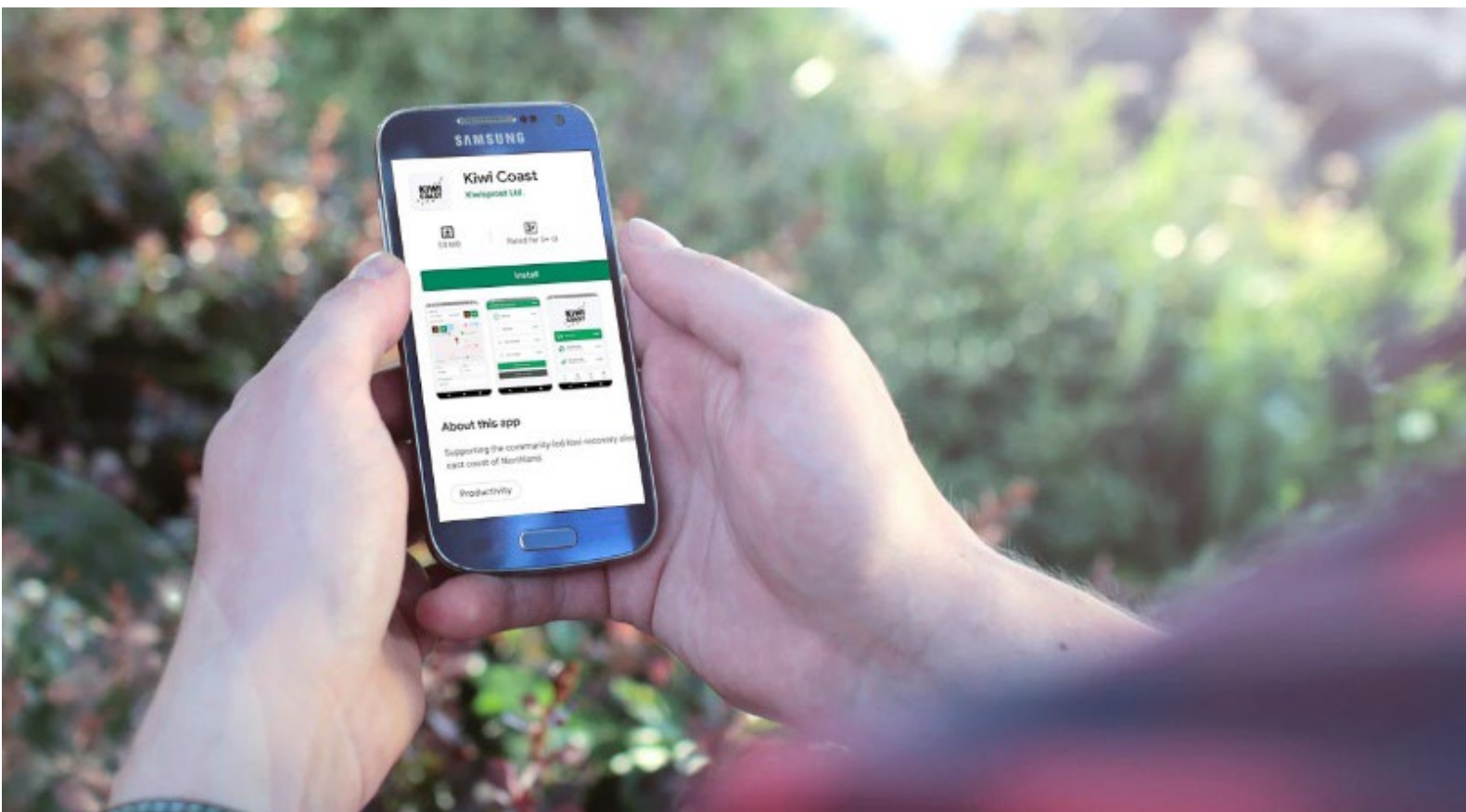
The total number of people using the app has increased from 92 in 2020 to 235 in 2021.

The app was specifically designed for the Northland Kiwi Call Count Survey and is available free for groups and projects linked into Kiwi Coast. Requests for access to the app from kiwi listeners in other regions continue to be received.

The capacity of Kiwi Coast to provide quality support to ensure accurate collation and collection of data means that this is not a possibility at this stage.

The Department of Conservation 2020 Kiwi Call Count Report stated:

“For the first time in 2020 there was the option of entering kiwi listening data via a Kiwi Coast created mobile app in the field. This reduced workload and the potential for transcription errors as there was no double-handling of data required, and the app was designed to ensure data were entered in the correct format, so no time was lost having to clean data before it could be analysed. Further advantages included no delay in the coordinators receiving data as it uploaded as soon as the listener submitted it, and it made it easier for the listener to know they were listening from the correct spot, as the app was pre-loaded with GPS coordinates, as well as date and time stamps.”



### **Freemasons Sponsored NZAT220 Field Trial**

By supporting regional field trials of novel pest control tools, Kiwi Coast seeks to save individual community projects spending hard-won funds on products that may still need modifications to work effectively in Northland conditions.

In February 2021, Kiwi Coast initiated a field trial of NZ Autotraps' AT220 mechanically re-setting NAWAC approved possum and rat trap. Three community-led projects across the region were invited to participate – Mangatete Landcare in the Far North, Tutukaka Landcare in eastern Whangarei, and Piroa-Brynderwyns Landcare to the south. Northland Freemasons sponsored 30 AT220s, enabling each group to receive 10 traps.

Bay Bush Action (BBA) also secured funding to run an independent two-year field trial, deploying 533 AT220s over a 260ha area in Opuia. The aim of BBA's more comprehensive trial is to test not just trap performance, but investigate the effectiveness and efficiencies of using the trap at scale.

To maximise the robustness of all the results obtained across the Kiwi Coast and BBA field trials, a standard set of baseline protocols was agreed upon for trap installation, servicing and data collection.

The projects involved, Freemason representatives, NZ Autotraps, Kiwi Coast trappers and Bay Bush Action gathered for a pre-trial training workshop and fieldtrip in February to confirm trial details and receive training in trap installation, operation and maintenance.

NZ Autotraps have assisted with further training, product support and problem solving. By working closely and collaboratively, refinements to the AT220 are already underway to improve trap performance as a direct result of the field trial.

The field trial will run for 12 months. Although initially the project was planned to start in July 2020, delays associated with the Covid pandemic led to a start date of March 2021. This has pushed result analysis and final reporting to a June 30, 2022 deadline.



## Summary

Kiwi Coast is an initiative led by community, for community.

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 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. A growing base of highly skilled key-contractors assisted Kiwi Coast to meet the challenge of providing quality support to the ever-growing number of Northland groups and projects keen to be involved.

The 492,458 pests collectively trapped over the last eight years are testament to the ongoing hard work of Northlanders on farms, forests and private blocks.

Kiwi Coast has continued to provide a solid base of support for community, iwi and hapū-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.

Kiwi remain their own best ambassadors – winning hearts and minds, motivating action and inspiring improved dog control at public kiwi releases.

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.

While still in their early days, the successful repeat of two key pieces of long-term outcome monitoring – the five-yearly Kiwi Listening Blitz and the Kākā and Korimako Survey – will, in time, help to confirm if the desired results are being achieved. The continued expansion of highly sensitive threatened species such as pāteke on Northland's east coast suggests we are on the right track.

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.

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, Kiwis for Kiwi Trust, the keen 'Follow a Kiwi' fans, and sponsors. We are privileged to work with you all on this amazing initiative.

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## Appendix 1:

### *Kiwi Coast Trust Financial Summary\* July 1 2020 - July 27 2021\*\**

<b>Income</b>	
Foundation North Grant	243,000
NRC-KC Partnership Funds	188,480
Freemasons NZAT220 Trial Sponsorship	10,000
Sponsorship and Donations	10,972
NRC New Project Start-Up Fund	2,000
Sales - KC Merchandise	649
Sales - Pest Control Equipment	24,191
<b>Total Income</b>	<b>\$479,292</b>
<b>Expenditure</b>	
Accountancy, insurance and audit fees	8,836
Administration and financial Management	10,073
Communications and mapping	18,826
Cost of goods sold	733
Dog owner engagement and awareness	5,662
Engagement events, incl. kiwi releases and school visits	9,812
Environmental education, incl. Pest Control Guidelines Review	6,370
Indicator species monitoring incl. Kākā and Korimako Survey	8,435
Kiwi Coast Coordinators - labour and mileage	253,982
Kiwi Listening App: Phase 2 updates	6,384
Kiwi Listening Blitz#2	18,830
Kiwi monitoring and tracking	19,895
Meeting, hui and travel costs	3,455
Monitoring equipment	4,950
Pest control products	1,155
Start-up resources for new groups	4,122
Strategic partnership projects	6,628
Training courses for community groups	13,433
Trapper mentoring, training, workshops and field trips	26,760
Trial new trap technology	16,056
<b>Total expenditure</b>	<b>\$444,396</b>
<b>Net profit</b>	<b>\$34,896</b>

Notes: \* Does not include funds or expenses of umbrellaed projects

\*\* Extended date range due to timing of Foundation North grant

## Appendix 2:

### *Entities, projects and groups involved in the Kiwi Coast as at June 30, 2021*

No.	Name	Location	Area (ha)
1	Aroha Island	Kerikeri	18
2	Backyard Kiwi	Whangarei Heads	5,845
3	Baldrock Trappers	Kaiwaka	1,700
4	Bay Bush Action Trust	Opuia, Bay of Islands	500
5	Blue Gum Lane	Kerikeri	10
6	Blue Orb Charitable Trust	End of Whangaruru Peninsula	413
7	Bream Head Conservation Trust	Bream Head	1,096
8	Brynderwyn Barrier	Brynderwyns	2,100
9	Bulls Gorge Pukewhau Trappers	Kerikeri	200
10	Burma Rd Tolls for Trolls Trappers	Peria	100
11	Candy's Farm	Okaihau	598
12	Cavalli View Trappers	Takou Bay	1
13	Cemetery Road Landcare	Maunu	80
14	Corymbosa Charitable Trust	Ruatangata West	8
15	Cottle Hill Landcare	Kerikeri	50
16	Craigmore Horticulture	Kerikeri	173
17	DOC Whangarei Kiwi Sanctuary and Pāteke projects	Various	13,268
18	Doubtless Bay Landcare	Taipa, Cable Bay and Coopers Beach	356
19	Dunlop & Craig Farm	Otonga	374
20	Durham Road	Waipu	300
21	Eastern Bay of Islands Preservation Society	Eastern Bay of Islands	n/a
22	Faraway Project	Arapohue	250
23	Fish & Game - Flaxmill Wetland	Dargaville	69
24	Fish & Game - Greenheart Wetland	Poroti	33
25	Fish & Game - Jack Bisset Wetland	Poroti	80
26	Flagstaff	Waipu	160
27	Friends of Matakoho/ Limestone Island	Matakoho/ Limestone Island, Whangarei Harbour	608
28	Friends of Rangikapiti Pa & Mangonui School	Coopers Beach	247
29	Friends of Rangitane Stream	Kerikeri	100
30	Gilbert Pest Traps	Ngunguru	1
31	Glenbervie Landcare	Glenbervie	1,365
32	Hancock Forest Management: Brynderwyn Kiwi Project	Brynderwyns	1,946
33	Hancock Forest Management: Gammons Block	Mangakahia	1,368
34	Hancock Forest Management: Rakautao	Kaikohe	647



35	Hancock Forest Management: Whanui Project	Pataua North	927
36	Hancock Forest Management: Whatoro CPCA	Kaihu	1,414
37	Harris Rd Area Landcare	Glenbervie	452
38	Hewlett Point Exterminators	Mata	120
39	Honeymoon Valley Landcare	Peria	2,426
40	Hupara Landcare	Hupara	821
41	Hukerenui CPCA	Hukerenui	100
42	JH Dowell Trust	Day Point	25
43	Jude Rd Forest Care	Mangawhai	350
44	Kaiatea Landowners	Ngunguru	320
45	Kaiaka Landcare	Peria	200
46	Kaimamaku Landcare	Kaimamaku – Kaikanui	2,818
47	Kaipara Forest Restoration Trust	Houto	5,000
48	Kaiwaka Community Pest Control Group	Kaiwaka	500
49	Kapawiti Kaitiaki	Mangawhai	85
50	Kauri Landcare	Kauri	231
51	Kauri Cliffs	Matauri Bay	2,172
52	Kerikeri Kindergarten	Kerikeri	1
53	Kerikeri Peninsula Pest Control	Kerikeri Peninsula	1,000
54	Kerikeri Plant & Food Research	Kerikeri	54
55	Kerikeri-Puketotara Catchment CPCA	Kerikeri - Puketotara	5,792
56	Key Industries	Auckland	n/a
57	Kiwi North Pest Patrol	Whangarei	25
58	Kiwis for Kiwi Trust	New Zealand	n/a
59	Kohinui Stream Landcare	Kohinui Stream Catchment	354
60	Kowhairoa Historical Reserve	Whangaroa	500
61	Lake Omapere Duck Hunters	Lake Omapere	139
62	Lamb Rd Landcare	Parua Bay	345
63	Living Waters	Tangatapu Catchment, Bay of Islands	4
64	Maclester Group	Brynderwyns	17
65	Mahinepua/Radar Hills Landcare	Mahinepua – Radar Hills	1,150
66	Manaia Landcare	Whangarei Heads	484
67	Mangatete Landcare	Fisher Riley Rd, Kaitaia	1,000
68	Marunui Conservation	Brynderwyns	415
69	Massey Road Trappers	Massey Road, Waipu	1,050
70	Matapouri Kaitiaki	Whale Bay - Matapouri	25
71	Matauri Trust	Matauri Bay	325
72	Maungaparerua Stream Landcare	Kerikeri	648
73	Millington Rd Kiwi Group	Maunu	40
74	Motutangi Pest Wipeout	Motutangi	10

75	Native Forest Restoration Trust – Puketi Mokau Shirley Guildford	Whangaroa	320
76	Native Forest Restoration Trust – Puhoi Far North	Honeymoon Valley	294
77	Ngā Kaitiaki o Huruiki Maunga	Mt Huruiki between Whangapara and Whangaruru	315
78	Ngā Ringa Tawhiti o Te Puna Aroha	Kawakawa	10
79	Ngawha Pest Control Area	Ngawha	1,000
80	Ngā Kaitiaki o Ipipiri	Cape Brett peninsula	2,300
81	Ngati Wai Trust Board	Ngati Wai rohe	n/a
82	Ngunguru Ford Landcare	Ngunguru Ford	730
83	Ngunguru Sandspit Protection Society	Ngunguru	1,775
84	Ngunguru School: Restoring Food Chains	Ngunguru	3
85	Northland Regional Council	NRC Mt Tiger block	500
86	NorthTec Conservation Management	Northland	n/a
87	NZ Fairy Tern Trust	Waipu Spit	1,044
88	Northland Forest Managers	Northland (Waikaraka Forest)	n/a
89	Ocean Beach Landcare	Ocean Beach, Whangarei Heads	73
90	Oi Kaitiaki	Langs Cove to Bream Tail Farms	879
91	Okaihau Farmers	Okaihau	156
92	Onekura Rd Trappers	Waipapa	50
93	Opara Kiwi Conservation Estate	Opara Peninsula, Hokianga	559
94	Opua Bike Trail	Opua	86
95	Oromahoe Road Trappers	Oromahoe	38
96	Otangaroa Landcare	Otangaroa	105
97	Owhiwa Landcare	Owhiwa	819
98	Pa Hill	Piroa	6
99	Pamu Kapiro-Takou Bay	Takou Bay	3,195
100	Pamu Mangatōa	Southern Hokianga	4,660
101	Pamu Omamari	Omamari	2,364
102	Pamu Puketotara	Puketotara	1,339
103	Pamu Rangiputa	Karikari Peninsula	4,955
104	Pamu Takakuri	Takakuri	1,652
105	Pamu Titoki	Titoki	1,002
106	Papakarahi Landcare	Whangarei Heads	incl in WHLF
107	Papa Taio Wainui Project	Wainui	2
108	Parihaka Community Landcare	Mt Parihaka, Whangarei	191
109	Parua Bay School Wildlife Walkway	Parua Bay	5
110	Parua Cemetery Road Landcare	Parua Bay	50
111	Pataua North Landcare	Pataua North	900
112	Peach Orchard Predator Hunters	Kaimamaku	738
113	Pest Free Mangapai Group	Oakleigh/Mangapai	500

114	Pest Free Peninsulas Kaipara	Pahi, Petley, Te Pahi and Matakoho Peninsulas	1,589
115	PF Olsen - Houto Trapping Project	Houto	1,508
116	Prescott Road Pest Control Group	Ruakaka	101
117	Project IslandSong	Islands in the Bay of Islands (centered on Urupukapuka)	436
118	Puke Kopipi Restoration Group	Ngunguru	6
119	Pukenui/Western Hills Forest Trust	Whangarei	2,043
120	Puketi Forest Trust	Puketi	5,600
121	Pungaere Road Corridor	Kerikeri	400
122	Pupurangi Nature Sanctuary	Kaihu	1,294
123	Purerua Peninsula	Purerua Peninsula	6,500
124	QEII National Trust	New Zealand	n/a
125	Rayonier Matariki Forests – Glenbervie Forest Project	Glenbervie	6,500
126	Reotahi Landcare	Whangarei Heads	82
127	Retreat Rd Trappers	Haruru - Puketona	205
128	Riverlands Landcare	Ngunguru river	363
129	Ross Rd Landcare	Parua Bay	150
130	Ruakaka Forest Trappers	Ruakaka	101
131	Rukuwai Gateway Landcare	Owhiwa	44
132	Ruru Kaitiaki	Langs Beach	860
133	Russell Landcare	Russell, Bay of Islands	2,000
134	Russell-Orongo Bay Holiday Park	Russell, Bay of Islands	1
135	Sandy Bay Kiwi	Sandy Bay	3,590
136	South Kerikeri Inlet Landcare	South Kerikeri Inlet	1,044
137	Skudders Beach	Kerikeri	10
138	Springbank Collective	Kerikeri	7
139	Summit Kerikeri	Kerikeri	1,587
140	Summit Omahuta	Omahuta	1,063
141	Summit Te Hiku Forest	Aupouri Peninsula, Far North	18,683
142	Taheke Landcare	Tahere	2,000
143	Takahiwai Pest Control Group	Takahiwai	480
144	Tamaterau Waikaraka Group	Tamaterau - Waikaraka	100
145	Tanekaha Community Pest Control Area	Hikurangi	2,919
146	Tangiteroria School	Tangiteroria	3
147	Tapuhi Landcare	Tapuhi	2,911
148	Taupo Bay Coast and Landcare	Taupo Bay	1,850
149	Taurikura Ridge Landcare	Taurikura, Whangarei Heads	255
150	Teal Bay Landcare	Teal Bay	25
151	Te Arai Forest Troop	Te Arai	100
152	Te Ikaroa Landcare	Bay of Islands	52

153	Te Tangi o Te Ata	Eastern Bay of Islands	970
154	The Sanctuary	Mangawhai	180
155	The Shadehouse Volunteers	Kerikeri	1
156	Tiakina Whangarei	Whangarei	4,557
157	Top Energy CPCA	Ngawha	1,109
158	Tutukaka Landcare Coalition Trust	Tutukaka	8,000
159	Upokorau Summit Ecological Project	Upokorau	2,166
160	Upper Pungaere Trappers	Pungaere	319
161	Utukura Trappers	Utukura Valley, Okaihau	717
162	Vision Kerikeri/Friends of Wairoa Stream	Kerikeri	25
163	Volunteering Northland	Northland	n/a
164	Waiare Rd Landcare Group	Waiare	100
165	Waihoihoi Kaitiaki	Waipu	380
166	Waihou Valley Trapping	Puketi	92
167	Waikare Whenua Kaitiaki	Waikare	200
168	Waimate North Landcare	Waimate North	10,000
169	Waipapa West Trappers	Waipapa	64
170	Waipu Kiwis	Waipu	650
171	Waipu West Kiwis	Waipu	50
172	Wairahi Trapping Group	Langs Beach	90
173	Waitangi Iwi Kiwi Project	Waitangi, Bay of Islands	4,747
174	Waitangi-Haruru Walkway	Waitangi, Bay of Islands	174
175	Waitangi Treaty Grounds	Waitangi, Bay of Islands	10
176	Warawara Whenua Ngahere	Warawara	11,051
177	Wekaweka Landcare	Wekaweka Valley, Kauri Coast	1,542
178	Whakaangi Landcare Trust	Hihi Peninsula	2,400
179	Whakapara Pest Control Group	Whakapara	217
180	Whananaki Landcare	Whananaki	7,943
181	Whangarei District Council	Whangarei	n/a
182	Whangarei Heads Habitat Restoration Trust	Whangarei Heads	incl in WHLF
183	Whangaruru Nth Residents & Ratepayers	Whangaruru Peninsula	284
184	Whareora Landcare	Whareora/Mt Tiger	2,159
185	Whau Valley Landcare Group	Whau Valley, Whangarei	15
186	Whiritoa Stream Trappers	Waipapa	30
187	Wild Kiwi Girls	Kaero	40
<b>Total area managed in ha</b>			<b>224,762</b>

Principal Partner



Direct funders and sponsors



Collaborating organisations and companies

