



Kanorau Koiora Taketake

Indigenous Biodiversity Community Grants

Reports August 2022

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Bushy Park Tarapuruhi Trust

Bushy Park Tarapuruhi Revegetation
Project and Titipounamu
Translocation Project

As a successful applicant to the Kanorau Koiora Taketake – Indigenous Biodiversity Community Grant we require all recipients to provide Horizons Regional Council with a brief report on the outcomes of the project at its completion. This report enables us to monitor the success of the projects, gather any learnings from the projects that can be applied across future projects, and helps Horizons improve its processes and support that we provide to each project.

Date. ____/____/____

Name of the project:
Bushy Park Tarapuruhi Revegetation Project

Report completed by: Mandy Brooke

Contact details

Email
mandyb@bushyparksanctuary.org.nz

Phone _022 6982388_

Address **Bushy Park Tarapuruhi Forest Sanctuary 791 Rangitatau East Road, Kai Iwi_**

1. Project background

This is an ecological restoration project within the predator fenced sanctuary Bushy Park Tarapuruhi to revegetate a total of 4 hectares of paddocks within the predator fence over the next 3-5 years, increasing habitat for more rare species and carbon sequestration. The cattle grazing within paddocks inside the sanctuary are gradually being removed, allowing for this revegetation work. The planning has been progressed with experienced ecologists, botanists, conservationists along with local hapū representation to ensure best possible outcomes are achieved.

To progress to the scale of planting needed, and to fully engage with volunteers safely and effectively, our small nursery needed extending, and a shade house and some raised benches were needed. Extensive volunteer community engagement is involved, but additional support with a weed contractor was sought for management of grass (fenceline, new monitoring lines and tracks) and weeds during the early establishment phase for these plantings.

Already this is a site where visitors can experience a mature forest without mammalian predators (Including mice management), and encounter indigenous wildlife at every turn. The areas planned to be revegetated will be accessible to the general public, and provide effective modelling of well managed successful revegetation project. We aim to educate and inspire conservation projects elsewhere.

This project is a collaboration between Bushy Park Trust, Forest and Bird, Ngā Rauru Kiitahi and Horizons Regional Council.

2. Achievements & Expenditure

To date there has been

1. extensive retaining walls and plant-growing beds created to improve the accessibility and layout within the tight space for this project
2. 2000 plants grown and ready to plant out this season

3. a shadehouse site prepared (more retaining walls, and levelling) on the tight space allowed, retaining the views of the forest from the road
4. the shade house build is almost complete (with volunteer labour), with benches for potting, plus growing benches for full accessibility for less able volunteers. Shellrock has just arrived, and was gifted by the Transport contractor.
5. Planting preparation work and weed control has been done with both volunteer and contractor. Expenditure to date is has been \$9983.40 +gst, but we are keen to use the remaining funds in the coming winter planting months to complete the nursery (watering timers, potting mix, fertilizer tablets, and further weed work) if this is acceptable to Horizons as the funder.

3. Community Involvement

This project has been largely completed by dedicated volunteers with considerable skill. The shadehouse build has involved mainly 5 individuals - Wayne Armishaw and Lesley Dolling, Lincoln Paul and Martin West, with myself involved in planning and support. Further volunteers have helped with digging for the retaining walls, and plant management work. Over 1000 hours have been spent on this part of the project.

Our weeds contractor has done 16 hours work so far on this project.

We are already lining up volunteers and groups for planting through the winter months. This is likely to involve hundreds of hours with as many people as we can engage. We have already experienced other goodwill from businesses giving us discounts or free delivery (eg. the shellrock) because they support what we are doing.

There has been great interest in this project from our visitors.

Whanganui Chronicle article: <https://www.nzherald.co.nz/whanganui-chronicle/news/new-plantings-continue-ongoing-developments-at-whanganuis-bushy-park-tarapuruhi/7RDPRT2LWFVTJBB6VUUJ3V5ZE4/>

4. Project future

On-going plans are to complete the plant nursery (set up watering, spread shellrock and begin filling with plants; to plant the 2000 plants now ready to go into the driveway, Te Akatea ki Kapiti and Punchbowl areas; to complete planting of those areas, and begin planting in the Wetlands/ Homestead paddock area from 2023 onwards.

The new set-up will allow for more volunteer engagement in the nursery, including school groups.

The care and management of the newly planted seedlings will continue for several years. Weed control requirements in those areas is likely to be on-going. Mouse control for these areas is now incorporated into the overall biosecurity work for the sanctuary.

5. Feedback

Please provide some feedback around the community grant process from the application right throughout the project. Approximately 50-200 words (if applicable).

We are very grateful for the opportunity to apply for this, and the process seemed good, and fairly straightforward.

Very good support and advice before and during from our main Horizons contact Nick Heslop.

It would be far easier to have been able to submit for the funds (even in several batches) before having to spend.

6. Recording work.

For reporting purposes Horizons would like to record the location of projects funded. A grid reference in NZTM or NZ map grid is ideal. (Horizons can help with the mapping if required).

Bushy Park Tarapurui Forest Sanctuary (NZTM) E 1765545,
N 5592683

7. Photos of the project.

One of the most effective tools we have to engage the community is sharing the great work communities are doing. Photos of communities working to enhance biodiversity are an important tool in furthering community engagement. Include some photos here if available.

<https://photos.app.goo.gl/S5zJdgiQ32rJT7n2A>

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Date. __10 / __6 / __2022__

Name of the project:
Bushy Park Tarapuruhi Titipounamu
Translocation Project

Report completed by: Mandy Brooke

Contact details

Email
_mandyb@bushyparksanctuary.org.nz__

Phone _022 6982388_____

Address **Bushy Park Tarapuruhi Forest Sanctuary 791 Rangitatau East Road, Kai Iwi_**

1. Project background

This is a significant step on our Translocation plan, with the successful pōpokotea translocation now completed. Titipounamu/ rifleman are another component of the forest ecosystem which would once have been present in the lowland forests such as Bushy Park Tarapuruhi. However, today they are At Risk (DOC), and the closest robust population to us is the A24 block in the Project Mounga, Taranaki.

This project is a collaboration between Bushy Park Trust, Forest and Bird, Ngā Rauru Kiitahi and Horizons Regional Council.

2. Achievements & Expenditure

To date there has been

1. Both outline and full translocation proposals completed for DOC permit approval given.
2. Iwi consultation and engagement both with local iwi Ngā Rauru Kiitahi and the Taranaki hapū for the A24 Project Mounga area.
3. Equipment for the translocation has been secured.

The expenditure so far has been \$8856.52 +gst.

We began our consultation with the Taranaki hapū involved there back in April 2021, but various covid-related challenges have meant progress has been very challenging, and ultimately not possible to complete the translocation this year. With a full year ahead to complete the final planning, and with the agreement and permit now in place, we are confident we can complete in April 2023.

However, because this has had to be postponed until next year, the costs are going to be higher to complete the translocation. In order to secure reliable accommodation for the team of 12 specialist catchers, plus 3 days extra to cover Kevin Parker's time, we are seeking a further \$6000.

3. Community Involvement

There will be opportunities for community involvement during the translocation. Although we are not able to arrange a definite release time, we will get a 2 hour travel alert when the birds are caught and the vehicles are ready to leave Taranaki to travel to Bushy Park Tarapurui. We are very happy to work with Horizons coms team to ensure good media coverage of this event.

4. Project future

Although we were unable to complete the translocation this year, we are now very well placed to complete it next April. The dates are booked with the Taranaki hapū, as well as with the local iwi Ngā Rauru Kītahi.

5. Feedback

Please provide some feedback around the community grant process from the application right throughout the project. Approximately 50-200 words (if applicable).

We are very grateful for the opportunity to apply for this, and the process seemed good, and fairly straightforward. Very good support and advice before and during from our main Horizons contact Nick Heslop.

It would be far easier to be able to submit for the funds (even in several batches) before having to spend.

6. Recording work.

For reporting purposes Horizons would like to record the location of projects funded. A grid reference in NZTM or NZ map grid is ideal. (Horizons can help with the mapping if required).

Bushy Park Tarapurui Forest Sanctuary (NZTM) E 1765545,
N 5592683

7. Photos of the project.

One of the most effective tools we have to engage the community is sharing the great work communities are doing. Photos of communities working to enhance biodiversity are an important tool in furthering community engagement. Include some photos here if available.

No photos so far. We will be able to set up extensive photo resources when the translocation takes place in April 2023.

Castlecliff Coast Care

Castlecliff Coast Care
Restoration Project

As a successful applicant to the Kanorau Koiora Taketake – Indigenous Biodiversity Community Grant we require all recipients to provide Horizons Regional Council with a brief report on the outcomes of the project at its completion. This report enables us to monitor the success of the projects, gather any learnings from the projects that can be applied across future projects, and helps Horizons improve its processes and support that we provide to each project.

Date. __6__/_Feb__/_2022

Name of the project:
Castlecliff Coast Care _____

Report completed by:
__Graham Pearson_____

Contact details

Email
__pearsons@bythebeach.co.nz_____

Phone 027 222 8378

Address __9A Waitai Street
Whanganui 4501

1. Project background

Include here a brief description of the project and the project goals. This may extend beyond the scope of this funding. Approximately 150-300 words.

Whanganui coastal dunes have been damaged and neglected since the 1930's when Maram Grass and Wattle were planted in an attempt to stabilise the dunes and protect farmland and coastal properties. In 2005 the Progress Castlecliff Coast Care group undertook to re-establish the dune ecosystems of the northern beach area of Castlecliff. By removing invasive species and replanting eco-sourced native plants on the rear dunes endemic to the region. Progress Castlecliff Coast Care regularly involves a number of Whanganui community groups and businesses such as schools/Kura, disability organisations, banks and individuals in the weed removal, planting and maintenance activities. Improvements to Castlecliff infrastructure by WDC as the result of community pressure and involvement has seen an increased interest in coastal issue and WDC proposing a Coastal Plan in their long term objectives. Port re-development and repairs to the coastal infrastructure through the Te Puwaha model has also provided Coast Care personal with opportunities to share their coastal restoration aspirations. However, significant environmental gains will not be made unless the whole community understands and respects the fragility of the coastal dune system. Thus education and opportunities to participate, are key goals of Coast Care.

2. Achievements & Expenditure

State here the achievements reached within the scope of this funding. Please report on the project budget and include expenditure against funding awarded. Approximately 150-300 words.



The foredune blow out area planted area, north of Morgan Street, has been checked regularly. Signs repaired and re positioned and the tape defining the area repositioned as required.

The Spinifex plants are now well established and provide ground cover to about 35% of the new dune surface.

Two other foredune planted areas, in blowouts north of the main carpark, have been observed regularly.

The rear dune areas that have been planted by Coast Care have been maintained. This has involved a wide range of groups, plus regular Coast Care members, weeding, mulching and releasing plants with a weed-eater and spraying persistent weeds.

Spinifex and Pingao seed heads have been collected to provide eco-sourced plants for the 2023 winter planting on the fore dunes.

Following up on the tracking tunnels Paul and Jan put out, Paul has set up the pest trapping program on the Coast Care area of the rear dunes. Paul has worked in collaboration with DOC and WDC staff to ensure all requirements are met.

Plants that were too small for this year's plantings, plus some donated Harakeke and Ngaio have been potted up and added to the shade house.

Education and sharing of knowledge:

Coast Care's website (<https://castlecliffcoastcare.co.nz/>) continues to be upgraded by Yoko, and the Facebook page has regular users.

Funding

The current Horizon's Kanorau Koiora Taketake - Indigenous Biodiversity Community Grant, is \$3,944 (GST excl)

So far expenditure claimed consists of \$1,097 for small items, plus \$2,147.62 for plants totalling \$3,244.92 (GST incl)

Thus \$2,821.66 GST excl has been claimed

3. Community Involvement

Include here groups or individuals who have been involved with this project and approximate number of people involved. For example approximate numbers attending public planting days, landowners, schools etc. approximately 50-100 words.

Events

1 Oct, 35 volunteers enhanced the plantings on the blow-out by Morgan Street, planting 1,500 Spinifex funded jointly by Coast Care and WDC.

8 Oct, small group from Coast care potted up ngaio donated by Prison nursery

14 Oct, Eight Horizons enviro-educators spent part of their morning assisting Coast Care



18 Oct, a small group from Alzheimer's spent time mulching plants with the Coast Care coordinators

20 November, Lyn and Graham Pearson attended the Foxton Beach Estuary group's AGM, to speak about the Castlecliff Coast Care project.

25th November, Graham Pearson lead a walkabout, for the Te Mata Pūau group of Te Pūwaha around the dune areas by Morgan Street. The plant sub-group wanted to see the areas we had been discussing for revegetation and invited others to join us. Many had not seen these areas and it was also an opportunity to share some brief "dune 101" educationals.

28th November. Coast Care had a stall at the Castlecliff market to promote and chat with locals. We also have a mini dig for the children, with chocolate fish and DOC sponsored prizes.

3rd December. Collegiate school visit, for a working day. 25 students

7th December. City College working day. 15 Students

16th December, Three Coast Care members accompted coastal expert Jim Dahm, Wendy and Rebecca from WDC, on a walk around Te Mata Pūau Morgan Street areas, our Coast Care rear dune plantings and the Swimming beach area, to familiarise Jim with these activities prior to him reporting to WDC on a coastal management plan.

21st December, Coast Care members spent time mulching rear dune plants and then celebrated the year's end with a shared Fish and Chip tea.

1st January, twenty-five Coast Care members harvested Pingao seed heads around the swimming beach areas.

15th January, Lyn and Graham Pearson visited Patea, and took the opportunity to harvest further west coast Pingao seed heads.

23 January, fifteen Coast Care members harvested Spinifex seed heads around the swimming beach areas.

28 Jan, mulching and watering back dune plants

1 Feb, watering and mulching back dune plants, and spraying persistent weeds

Over this period Coast Care volunteers contributed 187 hours, and community helpers 102 hours.

Further community support:

Ten "Hi-vis" vests, with Coast Care name and logo, for knowledgeable Coast Care members to wear during community working days, were donated by Castlecliff 4-Square. A further eight blank vests were donated by DOC.

This prison nursery donated about 100 Ngaio plants, and community members Harakeke plants.

4. Project future

Include here any ongoing plans for this project and how the recent works will be maintained into the future. Approximately 100-300 words.

Sea Week for schools in early March, has been planned by the usual organising group for Castlecliff beach. But will be smaller than previous years with only two schools booked to visit. These still need confirmation, due to covid restrictions being imposed on schools.



Two other groups are planning a weekend beach clean-up, followed by some fun time to celebrate our local beach.
Coast Care will contribute to all these events.

Paul had success pre-Christmas with his trapping program. He will put out an extended set of traps again now the school holidays have finished, once WDC has advertised to the public. A new teenage volunteer, Jake, will assist Paul with trap monitoring.

Jake has also offered to spend time looking after the fore dune plantings at Morgan Street. Initially he will use driftwood to enhance the tape line defining the planted area.

Three community planting days are being planned for winter 2023. Coast Care has 5,000 eco-sourced Spinifex and a few hundred Pingao available from Coastlands Nursery, at a cost of about \$16,000.
WDC has also offered to support the community days with further plants.

5. Feedback

Please provide some feedback around the community grant process from the application right throughout the project. Approximately 50-200 words (if applicable).

The community grant process has worked well, with excellent support from Horizon's staff, especially Nick Hislop.
Further funding to assist with purchase of eco-sourced plants grown especially for the project would be welcomed.

6. Recording work.

For reporting purposes Horizons would like to record the location of projects funded. A grid reference in NZTM or NZ map grid is ideal. (Horizons can help with the mapping if required).

Region: Manawatu – Whanganui
Local authority: Wanganui District Council
Between Seafront Road, Castlecliff and the beach
North and South of Rangiora Street
NZTM X 1,769,013 Y 5,577,209.

7. Photos of the project.

One of the most effective tools we have to engage the community is sharing the great work communities are doing. Photos of communities working to enhance biodiversity are an important tool in furthering community engagement. Include some photos here if available.









David Eade

Matter Farm – Bio
Diversity

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Date: 30/6/22

Name of the project:
Matter

Report completed by:
David Eade

Contact details

Email **davidleade@gmail.com**

Phone **021 090 64604**

Address **44 Lilybank Road, RD1, Brunswick, Whanganui 4571**

1. Project background

We continue our quest to build ecological equity. We do this through creating healthy habitats for native species, healthy waterways and a classroom from which school children can learn. We also need to ensure that we remain profitable as a farming operation. To do this, we supply tasty produce that improves the environment. Over the past 12 months, we have moved closer to our goals by:

- Planting 2,500km of shelterbelts that function as biodiversity corridors
- Planting ~30 hectares in diverse pastures that include 19+ species
- Applying 0 tonnes of nitrogen

We are very thankful for the Kanorau Koiora Taketake – Indigenous Biodiversity Community Grant as this helped us further our commitments to improving the environment. Our goals were to:

1. Implement a trapping program
2. Establish a baseline for bird activity
3. Establish a baseline for water quality
4. Have school children educate on site by providing access to a forest school

Whilst outcome three and four were not achieved within our desired timeframes, we have plans to execute on these over the coming 12 months.

2. Achievements & Expenditure

Our grant was for \$5,183 and was distributed to traps and recording equipment.

How we compared to our desired outcomes:

	Desired outcome	Status
1	Implement a trapping program	Achieved
2	Establish a baseline for bird activity	Achieved

3	Establish a baseline for water quality	Not Started
4	Have school children educate on site by providing access to a forest school	In Progress

Outcomes

1. We have set up a trapping program with a combination of Steve Allen, DOC 200, DOC 250 and A24 traps. Our traps arrived relatively late due to purchasing delays on our behalf and supply chain issues in general. Our trap lines were set in May/June 2022 and have been operational for two – three months.

These traps are all currently placed and are checked monthly. The traps have been cleared twice with only rats being captured at this stage. Progress can be followed on at [trap.nz](https://www.trap.nz/node/13613487) (<https://www.trap.nz/node/13613487>) – results are still be updated.

2. A Cacophony device was bought and used to establish a baseline for bird activity. The device was moved between three locations and records for one minute every hour of daylight and for five minutes at dawn and dusk. All recordings are run through software provided by Cacophony Project that scans for bird sign and bird type. Key species (such as Ruru) are automatically labelled.

We cut the data to take dawn, dusk and two daytime sample to generate a baseline of activity by count of species. One average, we have had close to three bird species per recording. This is a baseline from which we plan to monitor the effects of trapping.

3. No progress was made on water quality measuring. As mentioned earlier, we have reduced our nitrogen use to 0 tonnes this year. We wanted to show the effects this has on our waterways. This is still a goal for us.
4. School visits and the use of the forest by the Forest School were loosely planned but commitments were never achieved. This is still a work in progress, and we are working on some of the fundamentals required to host i.e. bathrooms, etc. One of the biggest measures we have is the number of school children that use the farm as a classroom.

3. Community Involvement

Community involvement was limited due to many restrictions during the grant. Our initial expectation was to host school visits and a Forest School. However, our lack of facilities have caused a slight delay in making this happen. We still plan to do during 2022/23.

We have had planting days with neighbouring landowners attending. This included three days with up to 10 surrounding landowners attending. We plan to do more for trapping reasons over the coming 12 months.

4. Project future

This has been a foundational year for what we see as a 100 year project. All data gathered and knowledge learned will be used to improve biodiversity outcomes in the future. We will reporting out on all trapping results and baseline bird counts through our website (matter.land – currently under development) and through our trapping project on trap.nz. We will also continue our native planting program this year with riparian planting set to start soon.

5. Feedback

We are very appreciative for this initiative. Access to funding is one thing. However, one of the real benefits has been the knowledge shared through the Horizons staff. A huge thank you must go to Nick and the team for the work they have done and the advice they have provided.

I would imagine that a lot of this funding is going towards supporting innovative ideas in the biodiversity space. These ideas, and the knowledge learned from them, need to be spread as it is the most scalable part in driving change. There are few entities that can supply extension for biodiversity work and Horizons has the unique ability to play in this space.

One suggestion would be proactive extension of ideas that have worked for other landowners. Additionally, starting projects that include multiple landowners to reach economies of scale. Both will reduce the landowner time associated with starting and maintaining projects. Something that becomes hard when keeping up with the seasonal aspect of farming.

6. Recording work.

Happy to record the trap lines on our property. They are listed here <https://www.trap.nz/project/13613487/info>.

7. Photos of the project.

Not currently available as I write this report. I am happy to share these in due course.

Friends of Taihape Society

Fencing and Willow
Removal

As a successful applicant to the Kanorau Koiora Taketake – Indigenous Biodiversity Community Grant we require all recipients to provide Horizons Regional Council with a brief report on the outcomes of the project at its completion. This report enables us to monitor the success of the projects, gather any learnings from the projects that can be applied across future projects, and helps Horizons improve its processes and support that we provide to each project.

Date. 2/5/22

Name of the project:

Willow Removal - Hautapu River

Report completed by:

Matthew Thomas

Contact details

Email mat@ryanthomas.co.nz

Phone 06 388 0666

Address 8 Tui Street, TAIHAPE 4720

1. Project background

Include here a brief description of the project and the project goals. This may extend beyond the scope of this funding. Approximately 150-300 words.

We are a group of volunteers that are working with RDC, local Iwi and Horizons to improve the user experience of the local Native Bush at Taihape. We are trying to restore the bush & river back to its original state and provide walks and bike rides through the bush for the community to use. This particular project is to remove the willows from the River and restore the River back to its original state.

2. Achievements & Expenditure

State here the achievements reached within the scope of this funding. Please report on the project budget and include expenditure against funding awarded. Approximately 150-300 words.

We have worked to budget in removing willows in the stretch of river we assigned to this fund. Approximately 280m of River filled with Willows has been cleaned. The tree debris has been stacked neatly to the side of the River. The stumps have been painted with preventative for regrowth. We are very pleased with the outcome.

3. Community Involvement

Include here groups or individuals who have been involved with this project and approximate number of people involved. For example approximate numbers attending public planting days, landowners, schools etc. approximately 50-100 words.

Local Iwi Collective, Community Members, RDC, Doc Horizons, Friends of Taihape Society. In the last year there is in excess of 100 people's involvement. Planting days, Track construction, fence construction, meetings and approvals etc

4. Project future

Include here any ongoing plans for this project and how the recent works will be maintained into the future. Approximately 100-300 words.

We plan to tidy the area as best as possible before we plant it into native trees/shrubs. We plan to control the regrowth with regular weed eradication. We want to build more tracks, plant lots of trees, put up more fences, build a bridge for pedestrians, build a BMX/Mountain Biking track.

5. Feedback

Please provide some feedback around the community grant process from the application right throughout the project. Approximately 50-200 words (if applicable).

Horizons were really good to deal with, very supportive and practical with our project to see this through. Being a new initiative, there were some administrative delays (with Covid as well), but all staff communicated very well.

6. Recording work.

For reporting purposes Horizons would like to record the location of projects funded. A grid reference in NZTM or NZ map grid is ideal. (Horizons can help with the mapping if required).

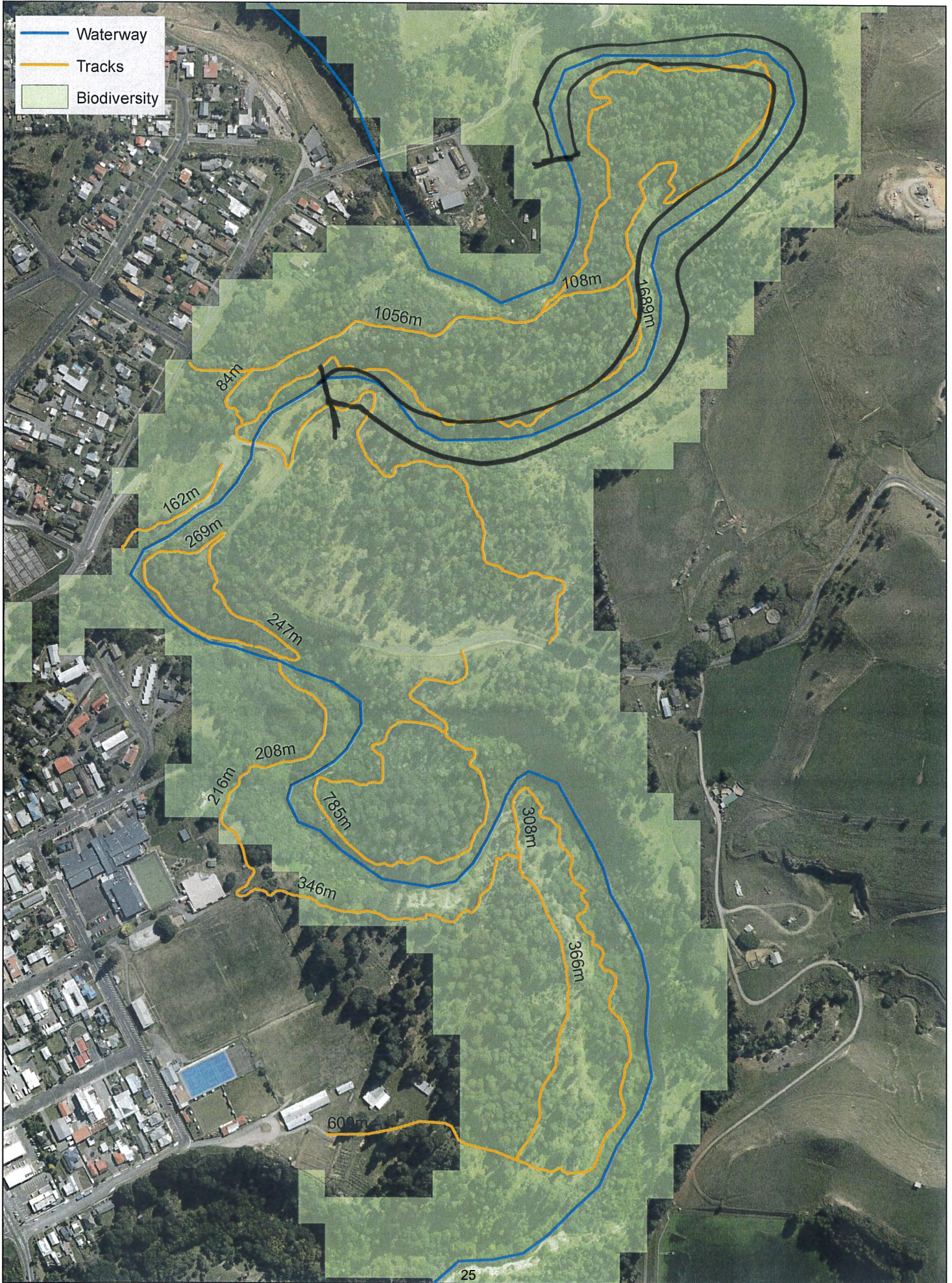
Area marked in black on photo

7. Photos of the project.

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N
▲ Papakai Reserve Consent Application



10 May 2022

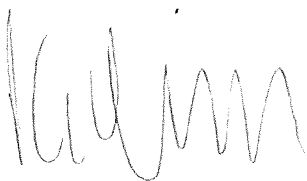
Chief Executive, Chair and Councillors
Horizons Regional Council
Private Bag 11025
PALMERSTON NORTH

We would like to congratulate Horizons Regional Council on the significant work that has been undertaken around the Hautapu Walkways in Taihape in conjunction with the Hautapu River Volunteer Group. The willows have recently been cleared from the river which involved an extensive amount of work and has transformed the area.

This is a popular recreational reserve currently used extensively and in the future by hundreds of people. The plans that include swing bridges across the Hautapu between the two bridges will further enhance the area.

This project has been one where the Rangitikei District Council and Horizons Regional Council have demonstrated they can work collaboratively to achieve what is becoming a fantastic asset for the region.

Yours sincerely



Peter Beggs
Chief Executive



Andy Watson
Mayor

Ihaia Taueki Trust

Ihaia Taueki A6B
Wetlands and Dunes

As a successful applicant to the Kanorau Koiora Taketake – Indigenous Biodiversity Community Grant we require all recipients to provide Horizons Regional Council with a brief report on the outcomes of the project at its completion. This report enables us to monitor the success of the projects, gather any learnings from the projects that can be applied across future projects, and helps Horizons improve its processes and support that we provide to each project.

Date. 23/06/2022

Name of the project:

Ihaia Taueki A6B Wetlands and Dunes

Report completed by:

Tracey Waho-Blayney

Contact details

Email info@feandt.co.nz

Phone 027 885 5055

Address c/- Tracey Waho-Blayney, 16 Cardigan Bay Place, Addington, Christchurch 8024

1. Project background

Include here a brief description of the project and the project goals. This may extend beyond the scope of this funding. Approximately 150-300 words.

Our moemoeā is to restore our whenua tapu to its natural state, when our tīpuna were kaitiaki, and to protect it for future generations. Reconnect our whānau to the whenua, to see the beauty of our whenua and to experience the wairua of our tīpuna. Mana whenua, mana tāngata.

We had already fenced off the wetland and some of the surrounding dunes with assistance from Horizons Regional Council in 2020. The fenced area is a bit over 8 ha in size and we will plant natives in all of the suitable spots in the wetland and on the surrounding dunes. The plant maintenance activities will improve the ecosystem health, including recreating critically endangered Dune Forests. It will also invite and increase populations of native species back to our whenua tapu. We believe once the whenua is restored to its natural state, the healing of our tāngata will commence.

2. Achievements & Expenditure

State here the achievements reached within the scope of this funding. Please report on the project budget and include expenditure against funding awarded. Approximately 150-300 words.

1000 natives (total plant cost of \$3,047.00) were planted during our planting day. The plants were supplied by three different nurseries, who were all paid directly by Horizons from the Kanorau Koiora Taketake funding.

Planting labour cost was covered by whanau, friends, the farm manager, the neighbouring landowner and a Horizons' Biodiversity Advisor (Anna Regtien, who very kindly filled in for Aaron Madden when he couldn't make the weekend we chose for our planting).

Weed control between the native plantings was not done due to sickness and then the tragic loss of a staff member in the contracting business that was supposed to do the work. The control work will have to be done in the next spray season.

Funding awarded from Kanorau Koiora Taketake was \$5,000.00.

Expenditure totalled \$3,047.00, meaning that there was an underspend of \$1,953.00.

3. Community Involvement

Include here groups or individuals who have been involved with this project and approximate number of people involved. For example, approximate numbers attending public planting days, landowners, schools etc. approximately 50-100 words.

Our planting day was postponed a number of times due to the pandemic, but we managed to set a planting date for Saturday 26th February 2022. Along with four of the five Trustees our Whānau showed up to help with the planting day including kuia, kaumātua, rangatahi, tamariki, and pēpi. It was the first time the whānau had seen the whenua and they definitely felt the wairua.

Anna from Horizons was there to lend a helping hand and provide us with much needed advice. Our farmer and his whānau came to support us and were there from the beginning to the end, supplying us with the use of their bbq and some farm equipment, and Jim who lives on a neighbouring farm and was once a lessee for the Trust also came to tautoko us.

In total we had approximately 30 people and we're not going to lie, it was hard work, but at the end of the day everyone went home feeling connected to the whenua, which is one of our major objectives *"restore the mauri of the whenua and the mana of the whanau"*.

4. Project future

Include here any ongoing plans for this project and how the recent works will be maintained into the future. Approximately 100-300 words.

This project will be ongoing while we plant up and maintain all of the available area. At our current rate of planting, it will take at least 15 years to fill the site with native plants.

We have applied to the next round (2022-23) of Kanorau Koiora Taketake so that we can continue to plant and maintain natives on the dunes and in the wetland.

For the next planting day, we plan on advertising to the general public and hope that there will be others who want to share in the experience that our whanau and friends enjoyed so much this year.

5. Feedback

Please provide some feedback around the community grant process from the application right throughout the project. Approximately 50-200 words (if applicable).

Firstly, the Trust would like to acknowledge the tautoko from Horizons, in particular Aaron and Anna who helped us to navigate our way through the process.

We would also like to thank Kanorau Koiora Taketake for the funding to start our journey to restoring our whenua to its natural beauty and for giving our whānau the opportunity to stand on their whenua, feel the wairua, and be part of the future.

The application process was quite straightforward once we knew how to navigate through it.

6. Recording work.

For reporting purposes Horizons would like to record the location of projects funded. A grid reference in NZTM or NZ map grid is ideal. (Horizons can help with the mapping if required).

NZTM grid reference is 1789127, 5505978

7. Photos of the project.

One of the most effective tools we have to engage the community is sharing the great work communities are doing. Photos of communities working to enhance biodiversity are an important tool in furthering community engagement. Include some photos here if available.

Our project was featured in Horizons' social media promotion of Kanorau Koiora Taketake and we supplied a range of photos for that. A few of those were used with the social media post and we are happy for any of the others to be used in future posts or promotions.

Our whānau gather for karakia



Anna – offering us her wisdom



Our whanau doing the hard mahi



Our lessee & whanau pulling together



Even our kaumatua got involved



Whanau, Lessee, Horizons doing the mahi



Koitiata Wetlands Restoration Group

Koitiata Wetland
Restoration Project

As a successful applicant to the Kanorau Koiora Taketake – Indigenous Biodiversity Community Grant we require all recipients to provide Horizons Regional Council with a brief report on the outcomes of the project at its completion. This report enables us to monitor the success of the projects, gather any learnings from the projects that can be applied across future projects, and helps Horizons improve its processes and support that we provide to each project.

Date. _1_/__03__/_22__

Name of the project: Koitiata Wetland Restoration Project

Report completed by: Jo Anson, Project Coordinator

Contact details

Email joanson1727@gmail.com

Phone 0274463261

Address 14 Rapaki St, Koitiata

1. Project background

Include here a brief description of the project and the project goals. This may extend beyond the scope of this funding. Approximately 150-300 words.

In October 2020 the Koitiata community initiated a project to improve and preserve the ecology of the wetland so it protects and supports biodiversity – mainly birds and wetland plants – and provides an area for residents and visitors to explore and enjoy. The funding provided by this project grant has enabled the weed control and replanting programme within the project to expand into new areas of the Reserve.

2. Achievements & Expenditure

State here the achievements reached within the scope of this funding. Please report on the project budget and include expenditure against funding awarded. Approximately 150-300 words.

Interim report as at 1st March 2022:

- Fourteen working bees have been held to date equating to approximately 230 volunteer hours. These are generally held on Friday mornings and mainly involve community members and Land Based Training (LBT) students
- Focus to date has been weed control in zones 1,2,3 and 5, and releasing last years plantings in zone1 and 2
- REG have completed 3 spray sessions on site working in zones 1,2,3 and 5 and have two more planned this month, including the use of a drone sprayer for the Interior of the wetland (zone 2). Focus has been spraying willow, poplar, gorse, agapanthus and pampas. This will complete the spray programme for this period and an Invoice for \$4,200 is expected at that time
- Planning for the planting programme is underway and orders will be sent to Kauri Park Nursery and Kaitoke Prison Nursery within the next month

3. Community Involvement

Include here groups or individuals who have been involved with this project and approximate number of people involved. For example approximate numbers attending public planting days, landowners, schools etc. approximately 50-100 words.

- Weed control and planting workshop to develop the workplan attended by community members (9), LBT pest management programme tutor and students (8) and Rangitikei Environment Group (1), Ngāti Apa couldn't attend on the day but reviewed the draft plan.
- Connections made with Ngāti Apa Forestry training team about how our projects can complement each other
- Presentation provided to Rangitikei College students whilst out here on a field trip In December
- Ten Landbased training students graduated the pest management programme during this period. We attended the graduation and presented the students with pruning saws In recognition of their support of the project
- Massey PHD student working with us to Identify and propagate the native sand Iris endemic to this area

4. Project future

Include here any ongoing plans for this project and how the recent works will be maintained into the future. Approximately 100-300 words.

We have submitted proposals to both Rangitikei District Council and Horizons Regional Council long term plans seeking their support to partner with the community, Ngati Apa and Ernslaw (Santoft Forest) to develop a formal Reserve Management Plan. We are currently working through a spatial planning process which includes this proposed approach and this should set the foundation for moving ahead with this In 2023. In the Interim we will complete the current plan in June 2022 and seek further funding in the next round of this grant process to continue to progress our goals.

5. Feedback

Please provide some feedback around the community grant process from the application right throughout the project. Approximately 50-200 words (if applicable).

Application process - form worked well; decision timeframes were delayed but hopefully can be more streamlined this year from lessons learnt

Funding - requiring community projects to wait for funding until the end of the project would be a barrier for many and may have stopped some applying even though different arrangements could be made

Oversight - great having a Horizons person assigned to the various projects and this has been a valuable resource

6. Recording work.

For reporting purposes Horizons would like to record the location of projects funded. A grid reference in NZTM or NZ map grid is ideal. (Horizons can help with the mapping if required).

Latitude -40.0716° or 40° 4' 18" south	Longitude 175.139° or 175° 8' 20" east
Population 130	Elevation 6 metres (20 feet)
Open Location Code	OpenStreetMap ID

4VFQW4HQ+9H

[node 281136097](#)

GeoNames ID
6224606

7. Photos of the project.

One of the most effective tools we have to engage the community is sharing the great work communities are doing. Photos of communities working to enhance biodiversity are an important tool in furthering community engagement. Include some photos here if available.



LBT weed spraying sign off



Removing Acacia from foredunes



Sand Iris propagation



Removing dead willow and wilding pines

Koputara Trust

Lake Koputara
Restoration

As a successful applicant to the Kanorau Koiora Taketake – Indigenous Biodiversity Community Grant we require all recipients to provide Horizons Regional Council with a brief report on the outcomes of the project at its completion. This report enables us to monitor the success of the projects, gather any learnings from the projects that can be applied across future projects, and helps Horizons improve its processes and support that we provide to each project.

Date. 08/06/2022

Name of the project:

Lake Kōpūtara restoration

Report completed by:

Nola Fox and Pat Seymour

Contact details

Email patmax@xtra.co.nz

Phone 021-178-0238

Address **5 Norton Street, Foxton Beach 4815**

1. Project background

Include here a brief description of the project and the project goals. This may extend beyond the scope of this funding. Approximately 150-300 words.

Continuation of restoration of Raukawa wetlands surrounding Lake Kōpūtara, carrying out gorse spraying and removal, planting and weeding to restore and protect the local biodiversity in line with mātauranga māori, run by local iwi for the benefit of connecting people with nature.

2. Achievements & Expenditure

State here the achievements reached within the scope of this funding. Please report on the project budget and include expenditure against funding awarded. Approximately 150-300 words.

Total spent as at 13/6/2022 was 12,699.53 (ex GST) with 2 invoices yet to be received, \$1,517.01 Fencing materials (with volunteer labour to erect) and \$3,783.46 Totara Glen Nurseries for plants. These last plants will be planted as weather permits. This will bring total spend to \$18,000 (ex GST)

This will see at least 2,833 plants going in to our restoration which includes a donation of 300 plants.

3. Community Involvement

Include here groups or individuals who have been involved with this project and approximate number of people involved. For example approximate numbers attending public planting days, landowners, schools etc. approximately 50-100 words.

A core of 35 people attended multiple times as planting days occurred for 9 months of the year, a mixture of local Iwi, landowners and helpers.

4. Project future

Include here any ongoing plans for this project and how the recent works will be maintained into the future. Approximately 100-300 words.

We are considering another application In 2023 for more plants and whether to submit a climate change application for contractor wages to allow the passing of mātauranga māori knowledge to be passed to rangitahi. As an Iwi we are committed to continuing this restoration to see removal of all gorse and the regrowth of native plants to bring back the original biodiversity of the area.

5. Feedback

Please provide some feedback around the community grant process from the application right throughout the project. Approximately 50-200 words (if applicable).

It was challenging to receive funding for plants and spraying but not wages. It Is Impossible to have effective long term passing of mātauranga māori knowledge to volunteers - far more effective to be passing the knowledge thru paid work experience. We would like to see this fund provide for wages of workers doing the mahi.

6. Recording work.

For reporting purposes Horizons would like to record the location of projects funded. A grid reference in NZTM or NZ map grid is ideal. (Horizons can help with the mapping if required).

-40.399173, 175.245718 to -40.396983, 175.260567
354 acres

7. Photos of the project.

One of the most effective tools we have to engage the community is sharing the great work communities are doing. Photos of communities working to enhance biodiversity are an important tool in furthering community engagement. Include some photos here if available.



Lone Pine Property Trust

Maunga Tia Kiwi
Restoration Project

As a successful applicant to the Kanorau Koiora Taketake – Indigenous Biodiversity Community Grant we require all recipients to provide Horizons Regional Council with a brief report on the outcomes of the project at its completion. This report enables us to monitor the success of the projects, gather any learnings from the projects that can be applied across future projects, and helps Horizons improve its processes and support that we provide to each project.

Date. ____/____/____

Name of the project:

Maungā Ta Kiri Conservation project.

Report completed by:

Scott Mathensen.

Contact details

Email ScottMelissamathensen@gmail.com Phone 0276705998

Address 42 upper retaruke rd.

1. Project background

Include here a brief description of the project and the project goals. This may extend beyond the scope of this funding. Approximately 150-300 words.

We have a 7000 acre station that we have broken up into 8 different conservation blocks so this is an ongoing project that involves two schools. The goal is to extensively trap so we can increase the already thriving kiwi population and other native species such as bats.

2. Achievements & Expenditure

State here the achievements reached within the scope of this funding. Please report on the project budget and include expenditure against funding awarded. Approximately 150-300 words.

We have 35 double set DOC200s, 15 AT220s and 15 Steve allans. See retaruke trap NZ data.

3. Community Involvement

Include here groups or individuals who have been involved with this project and approximate number of people involved. For example approximate numbers attending public planting days, landowners, schools etc. approximately 50-100 words.

Kaitiaki School, Kiritahi School.
Buy a t-shirt sponsor atrap.
Refere to Mangatira Facebook page for updates on our projects.

4. Project future

Include here any ongoing plans for this project and how the recent works will be maintained into the future. Approximately 100-300 words.

This project is very large so we have employed another full time worker from the end of this year. we will ~~pro~~ bring another school on board next year aswell.

5. Feedback

Please provide some feedback around the community grant process from the application right throughout the project. Approximately 50-200 words (if applicable).

We found the application very confusing ie the inkind volunteer donations and the total cost of our project didnt add up to the funding we requested.

6. Recording work.

For reporting purposes Horizons would like to record the location of projects funded. A grid reference in NZTM or NZ map grid is ideal. (Horizons can help with the mapping if required).

lat 39.240574 long 175.271609.

7. Photos of the project.

One of the most effective tools we have to engage the community is sharing the great work communities are doing. Photos of communities working to enhance biodiversity are an important tool in furthering community engagement. Include some photos here if available.

- See Maunga Tia facebook page for all photos.

Manaaki Ruahine

Makaretu Restoration
Project

FINAL PROJECT REPORT

Manaaki Ruahine - Kanorau Koiora Taketake - Indigenous Biodiversity Community Grant

Manaaki Ruahine applied for and received Horizons funding to develop a community predator control programme on the Apiti Track in the Ruahine Forest Park, and in an area of the park that surrounds the source of the Manawatū River.

With the funding we managed to purchase:

- 42 GoodNature A24s with enough bait and gas for 24 months
- 4 Autotrap AT220s and enough bait for 12 months
- 20 Double Set DOC 200 traps
- 20 Double Set DOC 150 traps
- Erayze bait for the DOC 150 and 200s

After some initial supply problems, we now have all of the hardware and consumables that the grant funded. These supply problems have meant that we are behind in our plans for installation, but we are well on our way to remedying this.

GOODNATURE A24s

We also have had to adapt our plans for the GoodNature A24 part of the programme after possums interfered with the bait and counters on these traps. We would have had all 42 traps installed by now except that the initial installation of 15 of the traps backfired when 11 were dismantled by curious and hungry possums.

GoodNature have replaced the lost bait, trap lids, and all 42 Chirp counters with older GoodNature Digital Strike Counters. Data is VERY important to this project and we feel that we are now in a better place to manage that data - the Chirps also proved to be highly inefficient in the field. We have reinstalled the 15 A24s with the “old-fashioned” equipment and feel very confident that it will see us right.

We are also starting a programme of added possum control to help us protect the A24s. We have purchased, and have been donated, 8 GoodNature A12s for this purpose - 7 of which have been installed strategically alongside the A24s. We plan to install the remaining 27 A24s as A12s become available.

We only put the refurbished A24s and their guardian A12s in on April 10 so have no catch data from these traps yet.

AUTOTRAP AT220s

We have also installed 3 of the 4 Autotraps that Horizons funded. We have held one back as a possible training trap and are looking at installing it in an area of bush reserve adjacent to the Ruahine Forest Park that has some very interesting and rare flora. We are just waiting

on information from members of our group before we make a final decision. We realise that this may fall out of our initial agreement with Horizons, but will be in touch when we know more.

We have only performed one check of these traps so far - the tally is 6 possums and 34 small animals that the traps log as rats, but we know are a combination of rats and mice judging by remains around the traps.

DOC 200 AND 150s

After some major supply issues we have received all of the traps now - there were shortages of the trap mechanisms and wire mesh. The traps are waiting to be calibrated before they are put out in the field.

We have been approached by members of the Norsewood community and the Te Kāuru Collective who are interested in managing the community aspect of the project. Most of their work will revolve around the DOC box traps, but they are very interested in working on our autotrap too.

COMMUNITY INVOLVEMENT

As previously stated, we have interest from local farmers in managing this part of our project. On April 10 one of them came in with her two children and inspected the planned DOC box line. They also got to experience the marvel that is the AutoTrap AT220.

We have introduced 9 people to the area who have never been before and three who were new to trapping.

DATA

We are in the process of developing a web-based dash board where we will display our catch and work data. We are doing this in conjunction with Eagle Technology. The Mahi Tracker, as it's called, is almost at a stage where it can be presented, but there is still quite a bit of work involved with the catch dash - most trapping apps only report on single kill types - we are trying to figure out how to integrate multi-kill traps that kill different species in a single time frame. This too will become part of our public reporting.

We are also tracking our carbon use. Our Carbon Calculator will mean that we compare kills to work to carbon ratios (if that makes sense).

This is why data is important to us. It's one of the reasons that we weren't keen to replace the stolen Chirps with new Chirps - they were almost impossible to use in the field. We have research that suggests that GoodNature Digital Strike Counters are more than 90% accurate - this is good enough for our needs. We will class our non-specific autotrap catches separately from our box trap catches...adding complexity.

IN SUMMARY

After the initial delays, we are starting to feel that we are getting on top of things. We have a greater understanding of what it is we're trying to do in the Apiti Track/Manawatū source area. We also have a better idea of the challenges we face with the scale of the pest problem. We had no idea when we started that possums were the problem that they are and they will become a focus of our plans in the future.

The support that we have received from Horizons has been amazing and we are very hopeful that it will be a great foundation for future community involvement, education and wellbeing. This can only be a good thing for biodiversity in the area too.

Anthony Behrens

On behalf of Manaaki Ruahine

April 13, 2022

McReynolds Trust

Te Arahiwi Farm to Forest

As a successful applicant to the Kanorau Koiora Taketake – Indigenous Biodiversity Community Grant we require all recipients to provide Horizons Regional Council with a brief report on the outcomes of the project at its completion. This report enables us to monitor the success of the projects, gather any learnings from the projects that can be applied across future projects, and helps Horizons improve its processes and support that we provide to each project.

Date. _11_/_07_/_2022__

Name of the project:
Te Arahiwi Farm to Forest

Marlene Anderson

Contact details

Email
_tearahiwi@hotmail.com_____

Phone __06 362 7224

Address _188 Mangaore Road
Shannon

1. Project background

Include here a brief description of the project and the project goals. This may extend beyond the scope of this funding. Approximately 150-300 words.

Te Arahiwi is an 884ha ex sheepfarm being progressively reforested using exotic nurse-crop to native as well as natural reversion. Much of the reverting land forms the headwaters of Mangaore Stream, a habitat for a number of native fish. It also forms part of a species management area for *Powelliphanta traversai*. Many native birds are also present.

We would like to support biodiversity with a trapping program for stoats, feral cats, and hedgehogs.

2. Achievements & Expenditure

State here the achievements reached within the scope of this funding. Please report on the project budget and include expenditure against funding awarded. Approximately 150-300 words.

We have assembled S.A. traps on baseboards at no cost, using recycled pallets.

There has been only limited success (a few rats).

A recent HRC re- baiting program has been very successful.

The possum kill was very high with evidence of the carcasses being consumed. Predators may have little interest in traps at present.

We have also found the traps very difficult to set, poorly designed and no improvement on the DOC 200.

3. Community Involvement

Include here groups or individuals who have been involved with this project and approximate number of people involved. For example approximate numbers attending public planting days, landowners, schools etc. approximately 50-100 words.

No community involvement

4. Project future

Include here any ongoing plans for this project and how the recent works will be maintained into the future. Approximately 100-300 words.

Due to the large area of the project and the very rough terrain we think that some form of self-setting trap will be the only way to make any impact on predator numbers.

We intend to self-fund trials on suitable products as they come to market.

5. Feedback

Please provide some feedback around the community grant process from the application right throughout the project. Approximately 50-200 words (if applicable).

The community grant has enabled us to make a start. Horizons personal have been very helpful, with plenty of practical help and advice.

6. Recording work.

For reporting purposes Horizons would like to record the location of projects funded. A grid reference in NZTM or NZ map grid is ideal. (Horizons can help with the mapping if required).

7. Photos of the project.

One of the most effective tools we have to engage the community is sharing the great work communities are doing. Photos of communities working to enhance biodiversity are an important tool in furthering community engagement. Include some photos here if available.

Will attempt to forward some photos.

Ngāti Rangi / Pauro Marino Trust

Pae Mahara Fencing and
Restoration

As a successful applicant to the Kanorau Koiora Taketake – Indigenous Biodiversity Community Grant we require all recipients to provide Horizons Regional Council with a brief report on the outcomes of the project at its completion. This report enables us to monitor the success of the projects, gather any learnings from the projects that can be applied across future projects, and helps Horizons improve its processes and support that we provide to each project.

Date. _19_/_07_/_22_

Name of the project: PAE MAHARA

Report completed by:

Contact details

Email aroha@ngatirangi.com

Phone 0272485731

1. Project background

To Fence around the Ngahere with full conventional fencing rather than electric.

To maintain the weeding, new planting, pest control

The complete stock exclusion and work to remove exotic plant and animal pests from this predominantly Tawhai (beech) stand. We would hope that in doing this we will provide habitat for our indigenous flora and fauna to regenerate here.

2. Achievements & Expenditure

The new fence line is beautiful and aligns with the curves of the ngahere. A fully conventional 9 wire fence completed. with 4 gates. 2 Into the ngahere and 2 on each side of the drain that runs from Tohunga Rd to the Mangawhero river. The fence along this drain stops the cattle getting in the drain and polluting the water that flows to the Mangawhero.

Much of the weed control was also done by whanau on the North facing heading toward the east side, following the new fence line.

Fortunately we were able to get Ruapehu Worx in to do some weed control. There was approximately \$8k worth of mahi in the form of manual weed removal. they have done an excellent job, starting from the West side of fence, clearing around the entrance approximately 12 meters in. Taking out all the branches etc, putting it all in the paddock which I will burn in time when it is safe. It was clear from the volume of work that was undertaken; how challenging the control for the entire plot will be.

Unfortunately there was no planting done, no plants had been purchased.

3. Community Involvement

Include here groups or Individuals who have been involved with this project and approximate number of people involved.

Fortunately our mokopuna from Manu Korero Te Kohanga Reo from (8) and tamariki from Te Kura Kaupapa Maori o Ngati Rangi (9) had the opportunity to do a little research in the ngahere, this was part of Taiao. It was also a time for them to see and enjoy what is in their back yard.

A lot of whanau had been through it before any work had started and those that had been in there after. There have been 2 whanau driving the machinery, clearing the land (6)

where they could, without damaging any of the native trees. Other whanau (3) bringing in kai to feed the workers.

4. Project future

Include here any ongoing plans for this project and how the recent works will be maintained into the future. Approximately 100-300 words.

Working bees have been set, to do more weed control and to maintain what has already been done. This will take many years to get it to a stage of lush green foliage. There is so much potential in this ngahere to hopefully attract bats, have kiwi and any other Indigenous manu and plants thriving.

Ideally with any future funding we would hope contract professionals to undertake technical weed control and some manual labour and set up a trapping network in this ngahere.

We would need to look at what restorative planting in this area would look like and cost, to suppress weed regrowth in the future

5. Feedback

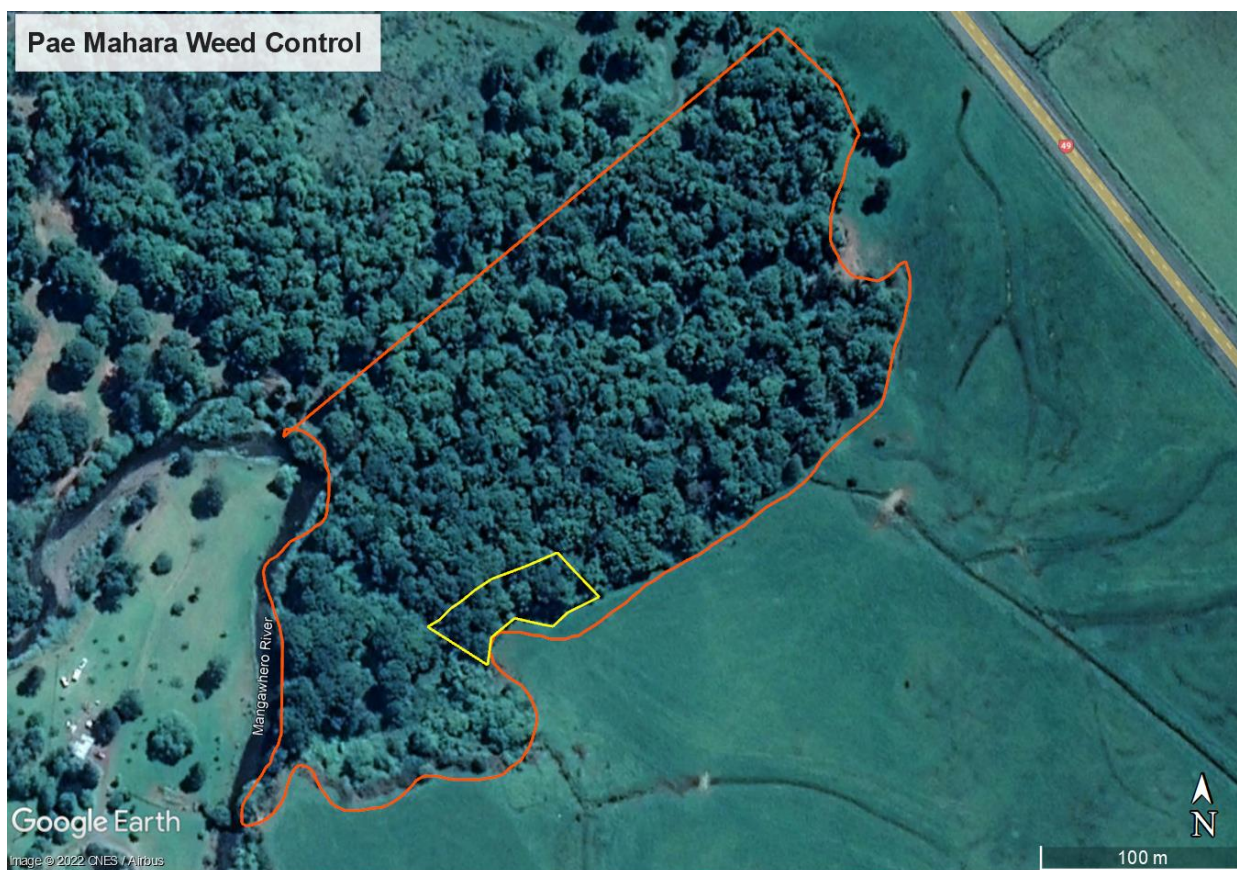
Please provide some feedback around the community grant process from the application right throughout the project. Approximately 50-200 words (if applicable).

It is a great opportunity for those who want to beautify the land, take care of it. It has been a challenging process, but having a lot of support of how to fill in the application has been a blessing. It was hard trying to explain some of what we were wanting to achieve without actually seeing the ngahere. It's been an opportunity for local people to help restore this section of ngahere.

A huge thanks to Nick having a kanohi te kanohi (face to face) in the ngahere.

6. Recording work.

For reporting purposes Horizons would like to record the location of projects funded. A grid reference in NZTM or NZ map grid is ideal. (Horizons can help with the mapping if required).



Estimated range of weed work undertaken (yellow line)

7. Photos of the project.

One of the most effective tools we have to engage the community is sharing the great work communities are doing. Photos of communities working to enhance biodiversity are an important tool in furthering community engagement. Include some photos here if available.











Not Even Ltd

Te Uru Hinau

As a successful applicant to the Kanorau Koiora Taketake – Indigenous Biodiversity Community Grant we require all recipients to provide Horizons Regional Council with a brief report on the outcomes of the project at its completion. This report enables us to monitor the success of the projects, gather any learnings from the projects that can be applied across future projects, and helps Horizons improve its processes and support that we provide to each project.

Date. ____/____/____

Name of the project:
Te Uru Hinau

Report completed by:
Jason Taiaroa

Contact details

Email; jtnui@hotmail.co.nz

Phone; 027-475-9749

Address; 45 Rangaroa Road, Taumarunui, 3920

1. Project background

Include here a brief description of the project and the project goals. This may extend beyond the scope of this funding. Approximately 150-300 words.

Currently there is limited knowledge regarding the traditional uses of hinau (*Elaeocarpus dentatus*) within the Whanganui Awa catchment. The intent of this project is to obtain and collate traditional practices using current knowledge held by elders living in the area. This project includes physically protecting and utilising te uru hinau.

The goals are stated below;

- Keep ungulates and mammalian pest species to a minimum within the traditional nursery and the established nursery in Pipiriki
- Harvest the fruits of the hinau between April and June
- Celebrate Puanga with the fruits gathered from the traditional nursery

Establish a database of knowledge collected

- Exclude all ungulates from the established Pipiriki nursery

2. Achievements & Expenditure

State here the achievements reached within the scope of this funding. Please report on the project budget and include expenditure against funding awarded. Approximately 150-300 words.

- Brought and installed 36 AT220 traps at the three traditional Hinau flats and Pipiriki nursery
- Paid for 10 days boat hire to mark hinau trees, install traps, check traps and ungulate control

3. Community Involvement

Include here groups or individuals who have been involved with this project and approximate number of people involved. For example, approximate numbers attending public planting days, landowners, schools etc. approximately 50-100 words.

- The Pipiriki Incorporation
- Pipiriki Kaumatua and Mokopuna
- The Department of Conservation Whanganui
- Te Roopu Mana Whenua
- Nga Whenua Rahui
- Tangata Whenua
- Nga Tangata Tiaki

4. Project future

Include here any ongoing plans for this project and how the recent works will be maintained into the future. Approximately 100-300 words.

Nga Tangata Tiaki has provided funding to support this project for four years. The funding will be for ungulate control, maintenance of the traps, collecting the fruits and establishing a monitoring program.

This project will never end. This is just the beginning of protecting our culture and taonga on te Awa o Whanganui.

5. Feedback

Please provide some feedback around the community grant process from the application right throughout the project. Approximately 50-200 words (if applicable).

Was an easy-to-follow process.

6. Recording work.

For reporting purposes Horizons would like to record the location of projects funded. A grid reference in NZTM or NZ map grid is ideal. (Horizons can help with the mapping if required).

Te Uru Hinau – E1768125, N5661720
Nursery – E1778925, N5629360

7. Photos of the project.

One of the most effective tools we have to engage the community is sharing the great work communities are doing. Photos of communities working to enhance biodiversity are an important tool in furthering community engagement. Include some photos here if available.



1; Hinau Berries which have been chewed on by rats/mice



2; Richard Taiaroa setting up an AT220 at Owairua



3; Possums being killed using a running board



4; Possums being killed with no running board



5; Pink triangle marking the hinau trees. Note: no understory 6; Possums and Rats under an AT220



7; Whanganui River

Okoia School

Okoia School – Native
Bush Regeneration

As a successful applicant to the Kanorau Koiora Taketake – Indigenous Biodiversity Community Grant we require all recipients to provide Horizons Regional Council with a brief report on the outcomes of the project at its completion. This report enables us to monitor the success of the projects, gather any learnings from the projects that can be applied across future projects, and helps Horizons improve its processes and support that we provide to each project.

Date. 25/11/2021

Name of the project:
Okoia School Native Bush Development

Report completed by:
Nic Welch

Contact details

Email
prinicpal@okoia.school.nz

Phone 063424828

Address 645 No 3 Line RD12 Whanganui 4582

1. Project background

Include here a brief description of the project and the project goals. This may extend beyond the scope of this funding. Approximately 150-300 words.

The project will regenerate native bush in the Okoia Valley to allow for an extra bush area for native birds on their flight path through to Gordon's Bush and Bushy Park. The students have spent time at both Bushy Park and Gordon's Bush and are well aware of the need to protect, preserve and develop flight pathways for our native birds. They have learnt about which plants and trees would be best to plant and how to look after them. This contributes to the development of the next generation to protect and preserve our native flora and fauna.

2. Achievements & Expenditure

State here the achievements reached within the scope of this funding. Please report on the project budget and include expenditure against funding awarded. Approximately 150-300 words.

Fencing has been completed to ensure the plants are protected from stock. This included 85 metres of security fencing, posts and waratahs. The cost of this work was \$2541.50.
166 native plants and shrubs have been planted in Zone 1 of the paddock. The cost of planting, fertilizer and plants and shrubs was \$3979.00

3. Community Involvement

Include here groups or individuals who have been involved with this project and approximate number of people involved. For example approximate numbers attending public planting days, landowners, schools etc. approximately 50-100 words.

Our students participated in our planting day guided by staff and Gerard from St John's landscaping. We were unable to include rangitahi from Te Oranganui as planned due to Covid restrictions. We decided not to wait for a reduction in Alert Levels or we would have missed the optimal winter/early spring planting time.

4. Project future

Include here any ongoing plans for this project and how the recent works will be maintained into the future. Approximately 100-300 words.

Students, under the guidance of staff will be responsible for maintaining the plants, including weeding. The fence will be shifted to include zone 2 in early autumn 2022. We plan to plant out zone 2 in late autumn/early winter.

5. Feedback

Please provide some feedback around the community grant process from the application right throughout the project. Approximately 50-200 words (if applicable).

The process for applying for this grant was a really positive one. Initially we applied under the wrong grant - we were contacted by Sue Moore who explained which grant would be most appropriate. She gave clear guidance around what information needed to be included in the application. We really appreciate the support of Horizons as it has allowed us to proceed and plan for not only the initial planting but with stage 2 of our project in 2022.

6. Recording work.

For reporting purposes Horizons would like to record the location of projects funded. A grid reference in NZTM or NZ map grid is ideal. (Horizons can help with the mapping if required).

Latitude: -39° 55' 59.99" S

Longitude: 175° 07' 60.00" E

🏠 / Articles by country / New Zealand / Okoia



7. Photos of the project.

One of the most effective tools we have to engage the community is sharing the great work communities are doing. Photos of communities working to enhance biodiversity are an important tool in furthering community engagement. Include some photos here if available.

Planting





Otiranui Guardians

Otiranui Guardians –
Expansion Project

As a successful applicant to the Kanorau Koiora Taketake – Indigenous Biodiversity Community Grant we require all recipients to provide Horizons Regional Council with a brief report on the outcomes of the project at its completion. This report enables us to monitor the success of the projects, gather any learnings from the projects that can be applied across future projects, and helps Horizons improve its processes and support that we provide to each project.

Date. 2 / 03 / 22

Name of the project:

Otiranui Guardians – Expansion
Project _____

Report completed by:

Michele
O'Sullivan _____

Contact details

Email

micheleosullivan@farmside.co.nz

Phone

0212113332

Address 386 Pakihi Rd, (Dillon's Road) Ohakune 4660

1. Project background

Include here a brief description of the project and the project goals. This may extend beyond the scope of this funding. Approximately 150-300 words.

- Aiming to expand the current privately funded 43 hectare of predator controlled podocarp rainforest & 36 hectare of adjoining farmland to 155 hectares.
- To grow the current populations of kiwi, bats & other native flora & fauna.
- To provide a wildlife corridor from the Tongariro National Park to the Whanganui National Park thereby creating sustainable species of flora & fauna within the horizons region.
- To ultimately oversee stock-proof fencing of surrounding farms

2. Achievements & Expenditure

State here the achievements reached within the scope of this funding. Please report on the project budget and include expenditure against funding awarded. Approximately 150-300 words.

- Of the \$15,804.28 funding provided by Horizons, \$1021.33 has been spent on bait, SA2 instant-kill cat/possum traps & cameras. Orders for 100 x Doc 200s are in place which Horizons has agreed to pay directly \$9549.60 to Haines Pallets. A further 8 x AT220 traps are also on order & Horizons have agreed to pay NZ Autotraps directly for these also. We currently have \$1,463.19 funds available from our Grant. This will be used before the expiration of the Grant for live-catch cat/possum traps & bait.

- Covid-19 has caused delays so our current trapping achievement as a result of this funding grant is limited to our privately funded traps.
- The cameras have allowed us to video kiwi, target possums & cats that we have caught on camera. We have managed to traps the 6 cats & 8 possums in privately funded traps.

3. Community Involvement

Include here groups or individuals who have been involved with this project and approximate number of people involved. For example approximate numbers attending public planting days, landowners, schools etc. approximately 50-100 words.

-
- We have recruited & trained six new trapping volunteers from the local community in Raetihi and Ohakune.
- New trapping recruits are maintaining 3 traplines weekly
Landowners, Greg Dillon and Michael Hewett are continuing to help cut a new traplines
landowners have placed borrowed Doc 200s (owing to covid preventing us receiving our order) on it.
- Ohakune Lakes Reserve volunteers have been provided with information on our project to enhance their own conservation & trapping project (thereby helping us expand our matrix)
- Conservationist, Jane Hutchings, has visited with advice, trapping training & offers of further assistance when needed.
- Peter Frost, Scientific Researcher from Whanganui, has volunteered maps & has planned a future visit for research
- Kerry Oates of Envioresearch has offered much assistance especially with our kiwi

4. Project future

Include here any ongoing plans for this project and how the recent works will be maintained into the future. Approximately 100-300 words.

- To place 100 x Doc 200 traps & 8 x AT220s onto our new traplines
- To maintain, train & replace when necessary our trapping team of 8
- To continue the weekly monitoring of all traps
- To monitor the burrowing kiwi & ensure intensive trapping around their burrows thereby increasing the chance of survival of young chicks
- To keep neighbouring landowners informed our progress & increase their interest in the project
- To continue to offer the bush cabin for overnight stays in the local community, thereby exposing them to the flora & fauna.
- To approach the farming neighbours to allow us to oversee stock-proof fences.

5. Feedback

Please provide some feedback around the community grant process from the application right throughout the project. Approximately 50-200 words (if applicable).

- It has been extremely helpful (& necessary) having the Community Biodiversity Advisor (Nick Heslop) visit to go over aspects regarding the Community Grant.

- The offer of Horizons to pay directly to the suppliers of traps, instead of us having to source the funds & then apply for reimbursement, has been a huge relief!
- Reporting has been difficult when we haven't had our traps delivered owing to Covid. Perhaps an extension of the time limit would be possible should such a situation arise in the future

6. Recording work.

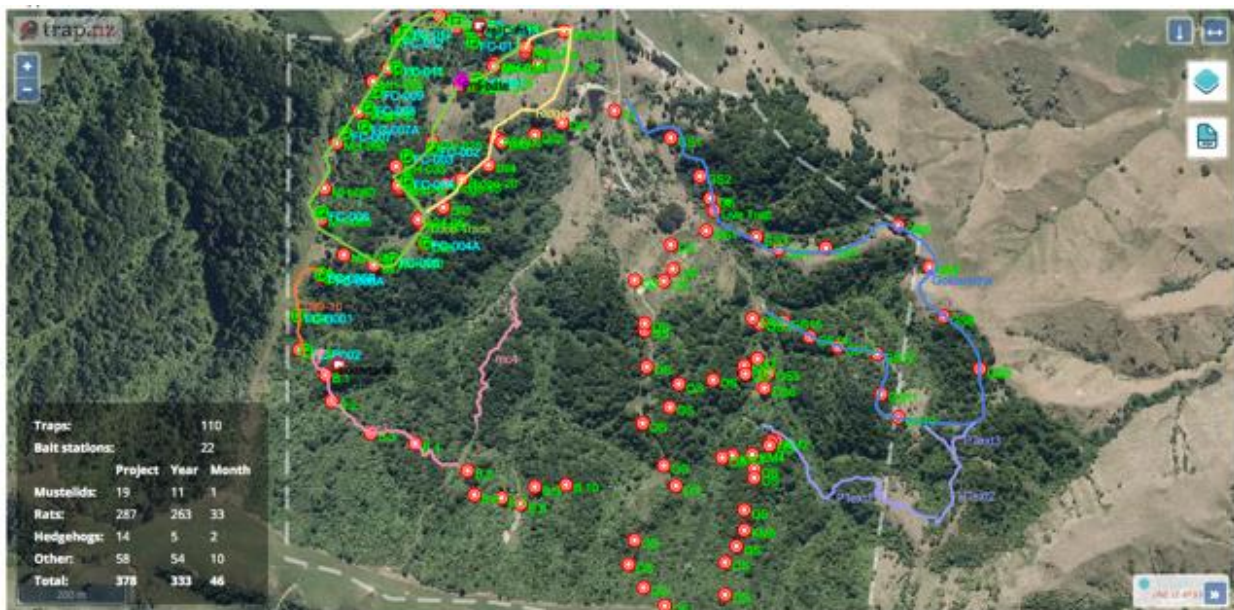
For reporting purposes Horizons would like to record the location of projects funded. A grid reference in NZTM or NZ map grid is ideal. (Horizons can help with the mapping if required).



Data

POLYGON ((175.33936142921 -39.457692443344, 175.33658695244 -39.459380634828, 175.33528447151 -39.459307740362, 175.33524155617 -39.467905459803, 175.33630371094 -39.468112520872, 175.3374516964 -39.468559770677, 175.33967256546 -39.468617747294, 175.3410243988 -39.468799959201, 175.3438782692 -39.469760705006, 175.34471511841 -39.469470826204, 175.34695744514 -39.469653035877, 175.34747242928 -39.469752422771, 175.34872770309 -39.462621052833, 175.34620642662 -39.461370295907, 175.34504771233 -39.46032660074, 175.34416794777 -39.460152650024, 175.34261226654 -39.459175204582, 175.33936142921 -39.457692443344))

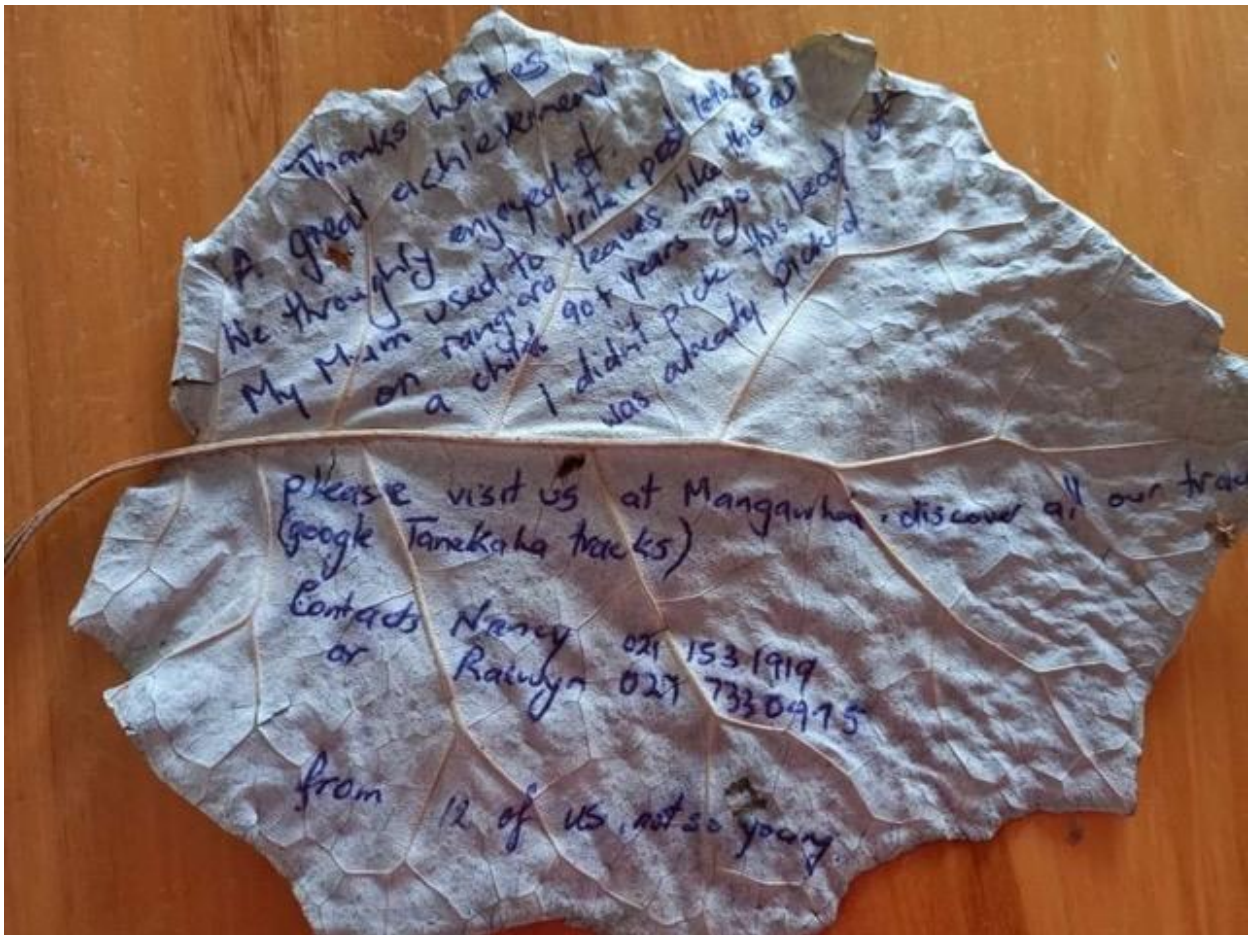
This is the area your trap project covers. When adding traps, bait stations, etc., the map will be zoomed into the area you specify here, and if using the app it will determine the map area downloaded for offline use. If you make your project publicly visible it will also be displayed on the homepage map. [Help](#)



7. Photos of the project.

One of the most effective tools we have to engage the community is sharing the great work communities are doing. Photos of communities working to enhance biodiversity are an important tool in furthering community engagement. Include some photos here if available.





Project Tongariro/ Tongariro Natural History Society

Rongokaupo Wetland
Biodiversity & Restoration

As a successful applicant to the Kanorau Koiora Taketake – Indigenous Biodiversity Community Grant we require all recipients to provide Horizons Regional Council with a brief report on the outcomes of the project at its completion. This report enables us to monitor the success of the projects, gather any learnings from the projects that can be applied across future projects, and helps Horizons improve its processes and support that we provide to each project.

Date. __30__ / __June__ / __2022__

Name of the project:
Rongokaupo Wetland Restoration

Report completed by:
Karen Grimwade -Project Tongariro

Contact details

Email : **kareng@tongariro.org.nz**

Phone **021 2076432**

Address **Project Tongariro P O Box 238 Turangi**

1. Project background

Include here a brief description of the project and the project goals. This may extend beyond the scope of this funding. Approximately 150-300 words.

Rongokaupo wetland is a small wetland adjacent to Tongariro National Park, near Ohakune.

Rongokaupo Wetland is unique for its context; it features two distinct forest types. The kahikatea wetland forest would have been part of an extensive fruit-bearing forest extending across the plains of the now farmland. There are patches of remnant kahikatea across those lands. Rongokaupo also has matai/totara forest on the drier ridges. Both forest types are valuable food sources for foraging native birds. While Rongokaupo is small it is contiguous with the adjoining dense podocarp forest in the Hapuawhenua catchment of the adjacent national park. During bird counts it is clear that birds move back and forth so it's ecological significance of confirmed and taken with adjoining national park is ecologically sustainable.

Our project this year was mostly focused on biodiversity enhancement; weed removal, a protective fence along the boundary and the installation of an experimental trap line (to continue monitoring). We also carried out monthly bird counts (and will continue to do so) and tree planting site preparation and planting.

In parallel we seek to connect and include local communities and visitors - doing this via the engagement of Ruapehu Worx rangitahi and a community planting and the development of an interpretative-friendly environment for school groups.

We have future plans to extend the biodiversity work and to enable easier access and interpretation – making this an ideal environmental education location for school groups – including the Project Tongariro Waimarino Environmental Education co-ordinator just recently appointed. It is already a lovely picnic spot with an outlook that enables the visitor to view the bird and insect life across the wetland – or contemplate the contrast to Tongariro National Park to the north. We hope to continue work to enhance the visitor experience, and protect and improve the biodiversity.

2. Achievements & Expenditure

State here the achievements reached within the scope of this funding. Please report on the project budget and include expenditure against funding awarded. Approximately 150-300 words.

We have achieved all the results we listed in the application, except the tree planting which is planned for July.

Biodiversity Work: Weed removal on the wetland margins, fence section installed to deflect stock, road users, potential rubbish dumpers etc. from easy access to the margin of the wetland, installation of a very intense trap line (experimental use of traps), preparation for tree planting, completion of tree planting planned for 23rd July.

Weed removal included: Himalayan honeysuckle, buddleia, blackberry, broom, cotoneaster, sweet briar, convulvus.

Liaison with Paul Carr and Megan Younger of Ruapehu Worx. Development of Ruapehu Worx staff – training & wasp day.

Monitoring: Monthly bird count, trap line registered on NZ Trap.

Reporting: Liaison with Nick from Horizons, monthly report to land owners Atihau Incorporation.

Planning: Next phase planned, quoted for and funding applied for.

Budget Attached.

3. Community Involvement

Include here groups or individuals who have been involved with this project and approximate number of people involved. For example approximate numbers attending public planting days, landowners, schools etc. approximately 50-100 words.

Ruapehu Worx – Ngati Rangi employment agency used as the main contractor. Young staff (rangitahi) were engaged in this job as a learning exercise – chance for Ruapehu Worx management to teach weed control skills, fence building skills, installation and monitoring of trap line. Wasp eradication and general biodiversity skills and learning.

A special thanks to Megan of Ruapehu Worx.

Community Planting Day

Will be held on 23 July 2022.

Covid had an impact on the extend of the community involvement we had planned. An earlier tree planting was not possible and general promotion of the work being done was not suitable.

4. Project future

Include here any ongoing plans for this project and how the recent works will be maintained into the future. Approximately 100-300 words.

Biodiversity: We have applied for funding to extend the biodiversity work – maintain the areas along the margins where weed control was intensely carried out. We would also like to work further into the wetland and eradicate some of the random weed species discovered over the project time period – such as Himalayan honeysuckle and Chilean Flame weed plants – currently controllable as only a few plants. We would like to stop them in their tracks now.

We also wish to continue to be able to fund Ruapehu Worx to maintain the trap line and traps.

Plant more native trees/plants as weeds are further removed upon the advice of Project Tongariro's consulting botanist.

Path: We have funding from another source to reinstate the path that used to exist. Also, installation of a small boardwalk over the wetland outlet, to protect the outlet and ensure it is not damaged. We plan to contract Ruapehu Worx to do this mahi as a training exercise for their young staff.

We also have plans to enhance the picnic area with tree plantings, and install botanical identification signs once the path is reinstated.

An upgrade of the existing interpretation is under discussion with Atihau's Taiao manager.

5. Feedback

Please provide some feedback around the community grant process from the application right throughout the project. Approximately 50-200 words (if applicable).

Very positive thanks

Nick was our liaison person, and he was helpful and communicative.

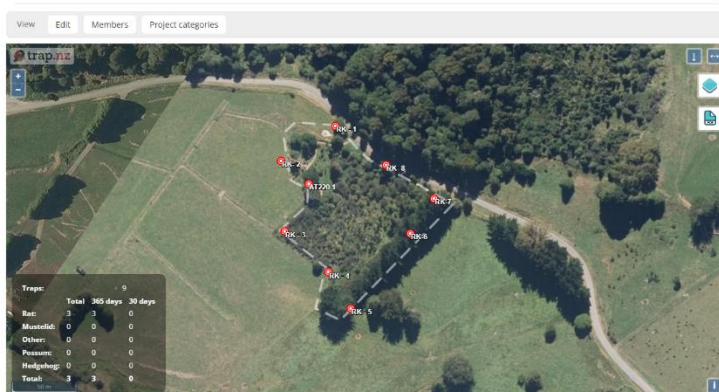
We have enjoyed working with Horizons and hope we can continue the good work.

6. Recording work.

For reporting purposes Horizons would like to record the location of projects funded. A grid reference in NZTM or NZ map grid is ideal. (Horizons can help with the mapping if required).

Rongokaupo Wetland 129 Marshalls Road Ohakune 4625

Rongokaupō repo



7. Photos of the project.

One of the most effective tools we have to engage the community is sharing the great work communities are doing. Photos of communities working to enhance biodiversity are an important tool in furthering community engagement. Include some photos here if available.



An experimental trap line was laid around the boundary of the Rongokaupo Wetland. It is being monitored by Ruapehu Worx. DOC 200, AT200 and A24 all part of the mix. Photo. Karen Grimwade



Project Tongariro's Allan McKenzie looks over the large weedy area on the margin of the wetland – cleared of weeds now. We will leave this a year to ensure not bounce-back of weeds before planting the year after. Photo. Karen Grimwade



Information Sharing. Local wasp eradicator extraordinaire Phil Sutton shares his knowledge and experience finding, approaching and eradicating wasp nests. Photo Karen Grimwade.



Phil in Action – this was a large nest so extra care taken in the approach. Photo. Karen Grimwade



Photos above: Leo, Ti, Johnny and Dave of Ruapehu Worx not letting the wet weather halt work (though covid has) as they install the short boundary fence to protect the wetland from ingress by cattle, bikers or potential rubbish dumpers (probably how some of the weeds got there).



For local work Project Tongariro buy natives plants from Carina's Native Plant Nursery. Photo. Karen Grimwade

Karen Grimwade
30th June 2022

Budget to come shortly....

Its done – just getting checked over before we invoice Horizons the final amount 😊

Ruahine Whio Protection Trust

Te Potae O Awarua and the
Pohangina River

As a successful applicant to the Kanorau Koiora Taketake – Indigenous Biodiversity Community Grant we require all recipients to provide Horizons Regional Council with a brief report on the outcomes of the project at its completion. This report enables us to monitor the success of the projects, gather any learnings from the projects that can be applied across future projects, and helps Horizons improve its processes and support that we provide to each project.

Date. 21/06/2022

Name of the project: Ruahine Whio Protection - Te Potae O Awarua and the Pohangina River

Report completed by: Janet Wilson

Contact details

Email Jwilson@inspire.net.nz

Phone **0273418945**

Address **1348B Pohangina Rd, RD14 Ashhurst 4884**

1. Project background

Include here a brief description of the project and the project goals. This may extend beyond the scope of this funding. Approximately 150-300 words.

The funding applied for is for the continuation of the support Horizons have given to the Te Potae O Awarua Project in the North Western Ruahines and the Oroua/Pohangina Blue Duck Protection Project along the Pohangina River. The funding is to be used for flying teams to these remote locations.

Horizons Regional Council are long-term supporters of the **Te Potae O Awarua Project**, a large project set up in 2007 in the North Western Ruahines on land managed by both DOC and Aorangi Awarua Trust and which started as a joint project between these two parties. In recent times Aorangi Awarua Trust manage the finance and checking of lines on their kwanata themselves. The desired outcomes from the project were then and still are -

- To increase whio numbers through juvenile survival and recruitment.
- To increase kiwi numbers through juvenile survival and recruitment.
- To provide opportunity for volunteers and iwi involvement in whio protection in a remote, wild and unique landscape.

The **Pohangina River Blue Duck Protection Project** in the Southern Ruahines has received support from a Horizons in the past through the He Tini Awa trust. This provided funding for initial set up along the Pohangina River using Good Nature A24 traps. Installed from 2012 onwards, there are currently 170 traps, providing protection for whio over approximately 15 km of the Pohangina River, which supports a population of at least 6 pairs of whio. These whio are the southernmost population in the north island. The aim of the project is to help keep whio present and thriving in the southern Ruahines. The trap line in the river is supplemented by traps on the surrounding ridges in the northern part of the catchment, part of the wider Oroua/Pohangina Blue Duck Protection Project.

These projects provide an excellent opportunity for involvement in a conservation project in a challenging, remote and beautiful environment by members of our local community, sourced mostly from the experienced hunting and tramping community.

2. Achievements & Expenditure

State here the achievements reached within the scope of this funding. Please report on the project budget and include expenditure against funding awarded. Approximately 150-300 words.

The Te Potae Project aims to have 7 trap checks per season - October, December, January, February, March and May.

The Pohangina River traps need to be serviced 2 times per year if using auto Lure Pumps or more frequently if using other lures..

This season turned out to be rather challenging with various reasons for delays - Covid, some periods of very wet weather leading to high river levels and the unexpected unavailability of the helicopter due to a callout to fight a fire! In the Pohangina River we took advantage of a party of hunters flying in to carry heavy gear to Ngamoko Hut, and the trap checkers walked in, saving expenditure. Other heavy carrying was done by volunteers when the weather was too unpredictable to arrange flights to the Pohangina River.

Despite this a total of 4 Te Potae trips and one flight to the Pohangina River were achieved. We deployed acoustic recorders on 3 trips to continue our search for more kiwi, the data still to be fully analysed.

Our Horizons funding is put towards some of these flights and is fully spent this year.

Date	Invoice		amount	GST	Total
23/11/2021	5691	Midwest Helicopters to Te Potae	3190.00	478.50	3668.50
25/01/2022	5992	Midwest Helicopters to Te Potae	4180.00	627.00	4807.00
22/02/2022	6139	Midwest Helicopters to Te Potae	4040.00	606.00	4646.00
		Subtotal	11410.00	1711.50	13121.50
		Midwest Helicopters to Pohangina River part of invoice to make upgrant total of			
27/05/2022	6542	\$1200.00	590.00	88.50	678.50
			12000.00	1800.00	13800.00

3. Community Involvement

Include here groups or individuals who have been involved with this project and approximate number of people involved. For example approximate numbers attending public planting days, landowners, schools etc. approximately 50-100 words.

Te Potae o Awarua -

- November - 9 volunteers
- January - 13 volunteers, mostly members of the PN Tramping and Mountaineering Club
- February - 10 volunteers, including a DOC volunteer team from the Waikato
- April/May - 10 volunteers
- May - retrieve acoustic recorders (walk in 3 volunteers)

There has been 1 DOC ranger in Palmerton North providing logistical support and lure for these checks.

Pohangina River - a team effort

November/December - Upper River - Top Gorge area serviced by party of 3 walking in/out over 3 days
January - hunters flew in gear to Ngamoko Hut (no charge). One volunteer, Chris Tuffley, walked in to Ngamoko and serviced the lower river 3 days.. Party of 4 tramped to Leon Kinvig Hut servicing mid river traps over 3 days.
May - Upper River traps serviced by Chris Tuffley over 2 days. Party of 4 flew in with heavy gear to Leon Kinvig Hut, serviced mid river down to Ngamoko Hut over 4 days (tramped out). PN Tramping and Mountaineering Club tramped in to Mid Pohangina and Ngamoko Huts, servicing traps along the way.

4. Project future

Include here any ongoing plans for this project and how the recent works will be maintained into the future. Approximately 100-300 words.

Both of these projects are long term and ongoing in to the future so long as funding can be obtained. Our goals for next year will be the same as this year. We can only continue the Te Potae Project if we have funding for flying. The Pohangina would continue without flying but the pool of keen and capable volunteers will get smaller. In the Te Potae area there are supposed to be regular 1080 operations funded by DOC but this year's planned drop has been deferred until late 2023 at the earliest - who knows when it will happen. Following a 1080 operation we would need less trap checks for the rest of that season which would save funds. Trapping and 1080 is recognized as best practice so it is very important to keep on the trapping work to build on the gains already made. There has been good breeding success this year in the north. In the Te Potae O Awarua area there is more work going to try to determine the extent of the kiwi population. This year we did some more placements of Audio Recorders while doing the trap checks - data still being analyzed. (Kiwi seem to attract funding more easily than Whio)

We are grateful to have received Horizons funding for 3 years as this provides some certainty. We do some fund raising of our own by selling calendars and are hopeful that DOC will have more rounds of it's Community Conservation Funds sometime soon. In the meantime we are stretching out our previous DOC CCF funds.

5. Feedback

Please provide some feedback around the community grant process from the application right throughout the project. Approximately 50-200 words (if applicable).

The process was reasonably straightforward. We provided feedback a couple of times and the issues were resolved quickly.

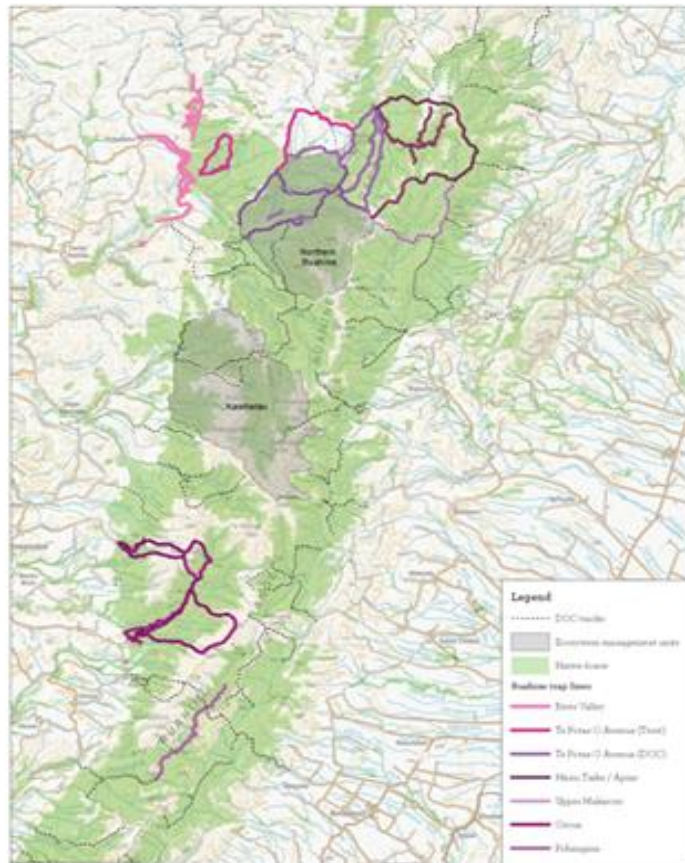
There has been good follow up ever since about progress and offering support which is appreciated.

This form has some formatting that I have found difficult to use or to change.

6. Recording work.

For reporting purposes Horizons would like to record the location of projects funded. A grid reference in NZTM or NZ map grid is ideal. (Horizons can help with the mapping if required).

Te Potae Project NZ Topo 50 BK36 Taoroa Junction
Pohangina River NZ Topo 50 BL36 Norsewood



Ruahine whio trapping network



7. Photos of the project.

One of the most effective tools we have to engage the community is sharing the great work communities are doing. Photos of communities working to enhance biodiversity are an important tool in furthering community engagement. Include some photos here if available

3 Photos - more attached to email with this report.

Photo 1 - Whio family near Iron Bark Hut February 2022 by Yvette Cottam



Juvenile Whio near Lake Colenso Hut February 2022 by Yvette Cottam



Photo3 - Lake Colenso Te Potae Project by Yvette Cottam



Sally Pearce

Rangitikei Remnant
Weed-buster blitz

As a successful applicant to the Kanorau Koiora Taketake – Indigenous Biodiversity Community Grant we require all recipients to provide Horizons Regional Council with a brief report on the outcomes of the project at its completion. This report enables us to monitor the success of the projects, gather any learnings from the projects that can be applied across future projects, and helps Horizons improve its processes and support that we provide to each project.

Date. 25 /06/2022

Name of the project:
Rangitikei Remnant Weed-buster blitz!

Report completed by: Sally Pearce

Contact details

Email
sallylpearce@yahoo.com

Phone
Cell 021 256 9641, home 06 359 4326

Address
7 Moheke Avenue, Palmerston North 4414

1. Project background

Include here a brief description of the project and the project goals. This may extend beyond the scope of this funding. Approximately 150-300 words.

The 2021-22 weed-busting blitz was part of a 23-year community restoration programme, supported by Forest & Bird and other volunteers, Horizons, DOC, QE11 Trust and other funders with the overall goal of improving the health of the remnant's ecosystem.

Historically possum control and the removal of a proliferation of sycamore trees throughout the remnant were the main focus. The felling of a grove of hundreds of adult seeding sycamores in the southwest block in 2006 was a huge step forward (thanks to Horizons support and funding). This however left a disturbed site with a huge sycamore seedbank and there are still significant numbers of sycamore seedlings and saplings in this area, with new seedlings still emerging, though in reducing numbers. As we've got more on top of sycamores, other weeds, including Chilean Flame Creeper and Old Man's Beard, have needed more attention. The larger programme now also includes control of several weed species, wasp control (treating nests and Vespex baiting) continuing possum control (Brodifacoum), and rat and stoat control (Good Nature traps). We have also been growing and planting natives locally eco-sourced into gaps in the southwest block since 2008.

The goal of the weed-busting blitz was to greatly reduce target weeds throughout the remnant but especially in the southwest block. Priority weeds for the blitz were sycamore, Old Man's Beard (OMB) and Chilean Flame Creeper (CFC). Other weeds to be tackled were blackberry, cotoneaster, and elderberry. The other goal was to reduce the number of wasp nests to protect people working at the site and reduce the impacts of wasps on the ecosystem

2. Achievements & Expenditure

State here the achievements reached within the scope of this funding. Please report on the project budget and include expenditure against funding awarded. Approximately 150-300 words.

- Kahikatea Contracting (KC) did a thorough job weed mapping and weeding the western end of the southwest block (Jan 28 and Feb 2). This area is harder to access and needed more attention than other areas. They found enough weeds, especially sycamores and CFC, to keep them very busy for their funded time (see KC provided map below)

- CFC control consisted of pulling down flowering/fruited vines; cutting and pasting the base of some of the vines (Glimax gel); and GPS marking and flagging of sites (with tape) for follow up. KC contractors also tried X-tree Basal on CFC (see photo below) – sites to be checked in the spring for any regrowth.
- Kahikatea Contracting's (in kind) drone search of canopy for OMB flowering on Feb 21st found no additional OMB.
- Over the season I learnt how to use the Garmin GPS, mark waypoints and tracks, import and export files using Garmin Basecamp; and how to create layers for specific weeds on Google My Maps (see CFC map below). The GPS data was also useful for identifying areas in the southeast block needing weeding after the contractors had finished.
- Most of the remainder of the southwest block, and much of the rest of the remnant, were surveyed and/or weeded by a combination of community volunteers, friends, my partner, and me.
- Vespex wasp baiting covering the whole remnant was carried out on March 31 (43 bait stations).
- Our Expression of Interest to Rangitikei River Catchment Collective for assistance with OMB was successful. The Jobs for Nature funded work crew the Rangitikei Environment Group (REG) came in around the beginning of this funded period. They surveyed and controlled OMB mostly in the southern half of the remnant (on Sept 27 and 29), and later along the Kawhatau Road edge (Nov 1).

Expenditure against funding awarded (all totals GST incl)

	Estimated cost	Funding awarded	Spent
Contractors grid search and weed southwest block: 48 hours at \$65/hr + GST	\$3,588.00	\$3,588.00	\$3,588.00
Purchase Garmin GPSmap 64SX	\$577.86	\$288.93	\$577.86
Purchase Vespex wasp bait and replacement bait stations. (Unfunded costs were bait labels and freight)	\$224.48	\$224.00	\$263.47
Purchase EpiPen	\$120.00	\$120.00	\$120.00
Total in-kind hours including coordination time	101 hours	NA	150 hours

3. Community Involvement

Include here groups or individuals who have been involved with this project and approximate number of people involved. For example approximate numbers attending public planting days, landowners, schools etc. approximately 50-100 words.

- A volunteer weeding bee was held Nov 6/7, supported by members of Forest & Bird Manawatu (F&B), Environment Network Manawatu (ENM) and a volunteer from Wellington. (6 people contributed 33 hours)
- On December 18/19 four friends (my partner and I included) weeded sycamore and CFC in southwest block (6 hours contributed)
- A volunteer weeding bee was held May 28. Supported by members of F&B and friends (six people contributed 17.5 hours).
- In addition, over the funded period my partner and I worked seven part-days together on weeding and I worked an extra seven part-days alone on weeding and wasp baiting.

4. Project future

Include here any ongoing plans for this project and how the recent works will be maintained into the future. Approximately 100-300 words.

- There will be a lot less weeds to tackle for next few years at least, thanks to Kahikatea Contractors, Rangitikei Environmental Groups work crews and the efforts of various volunteer.
- Volunteer weeding bees will still need to continue, at least two a year, promoted through F&B, ENM and Manawatū River Source to Sea.

- I will also do ongoing weed (and wasp) work on my own between working bees with help from friends and family.
- I am looking forward to learning how to make the most of the GPS for mapping weeds and surveyed areas. Having the GPS will enable a more efficient approach going forward. Making this kind of progress will also help keep volunteers motivated and involved.
- I have submitted an Expression of Interest to the Rangitikei Environment Trust for further assistance with OMB this coming spring and will submit annually while Jobs for Nature funded support is available for this work.
- I will apply for further funding through various funders for contractor weeding and other support when required.

5. Feedback

Please provide some feedback around the community grant process from the application right throughout the project. Approximately 50-200 words (if applicable).

- Thank you to Horizons for the opportunity that the funding gave us to greatly reduce the weed burden at the remnant.
- I've appreciated the prompt helpful responses of Christina Haynes to my questions.
- It would have been great to have received a copy of the application once submitted. In my experience most funders enable a completed application to be saved to PDF. I did ask Neil to email me a copy but didn't receive it.
- It would be very helpful to this project if petrol vouchers could be funded in future community grant rounds, especially for projects like this where volunteers are asked to travel large distances. HRC could set an upper limit as large sums are not necessary, however volunteers really appreciate them. This year with Omicron circulating I didn't think it was safe for people to car-pool in a confined space for long periods (1.5 hours each way from PN), even wearing masks, so I purchased vouchers out of my own pocket, which I can't really afford to do.

6. Recording work.

For reporting purposes Horizons would like to record the location of projects funded. A grid reference in NZTM or NZ map grid is ideal. (Horizons can help with the mapping if required).

1. Kahikatea Contracting's Map (showing where they worked)

Coordinates for the southwest area where contractors mostly worked (lower left of map) were:

NZTM East 1852426.2, NZTM North 5588461.6
Latitude: -39.81637132, Longitude: 175.949084



2. Google My Map – based on data provided by Kahikatea Contracting, shows species treated and/or mapped for follow up treatment (CFC, OMB, holly, ivy)

Clints team 2021-22



3. Combined Chilean Flame Creeper sites located by contractors and me*.



***Note:** there are more CFC sites than shown here as some sites I found, especially early in the season, were not marked as waypoints.

7. Photos of the project.

One of the most effective tools we have to engage the community is sharing the great work communities are doing. Photos of communities working to enhance biodiversity are an important tool in furthering community engagement. Include some photos here if available.

We got lots of “before and after photos” (as that is often asked for with grants). Unfortunately, only one includes a Forest & Bird volunteer who had helped remove OMB growing through a patch of flax and cabbage trees

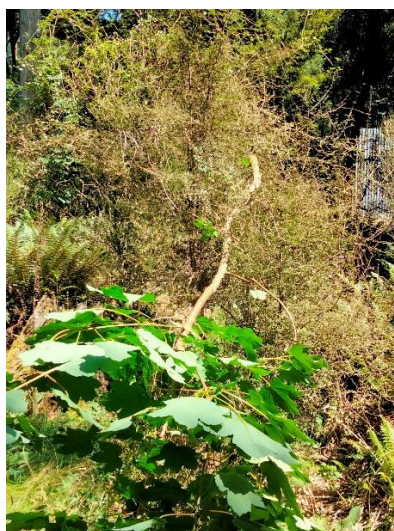
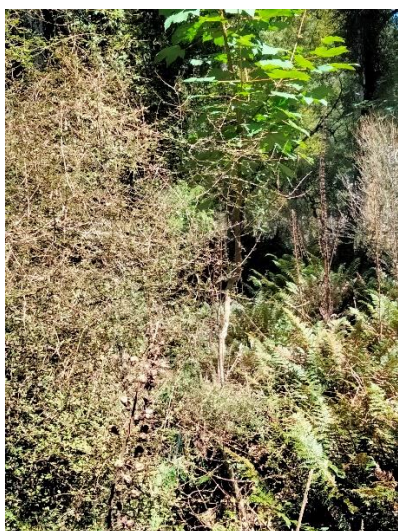
1. OMB growing through a patch of flax and cabbage trees



2. Sycamores removed from a disturbed area



3. Sycamore removed from edge:



4. Blackberry growing up high through natives (part of a much bigger patch):



5. Chilean Flame Creeper stem treated with X-tree Basal:
(One of 10 stems treated and taped by Kahikatea Contracting in southwest block)



Te Kura Kaupapa Māori o Tūpoho

Native Planting for
Biodiversity Habitat and
Rongoā

As a successful applicant to the Kanorau Koiora Taketake – Indigenous Biodiversity Community Grant we require all recipients to provide Horizons Regional Council with a brief report on the outcomes of the project at its completion. This report enables us to monitor the success of the projects, gather any learnings from the projects that can be applied across future projects, and helps Horizons improve its processes and support that we provide to each project.

Date. 01/05/2022

Name of the project:

Te Kura Kaupapa Māori O Tupoho
Native planting for habitat, biodiversity and
environmental education

Report completed by:

Rachel Stephenson

Email Rachel.stephenson@hushmail.com

Phone 0204789008

Address **18 Cross St Castlecliff Whanganui 4501**

1. Project background

Te Kura Kaupapa Māori O Tupoho commissioned a Permaculture plan for their site in September 2020 to guide the Integration of the environment into the teaching curriculum by developing areas of native planting, Rōngoa, food forests and māra kai. The kura is not yet an Enviroschool.

The kura have greenhouses which are still in good condition but have not been used for many years. The grounds have few trees, initial gardens had been laid with weed mat, so plants had become severely deficient. The site has little topsoil being predominantly sand dunes.

In August 2021 we received funding from the Ministry of Primary Industries - One Billion Trees Programme for 600 Native trees to plant an outer area of the kura '**Te Pae Maharahara**' as Memorial Rōngoa gardens and biodiversity habitat field.

Our **Kanorau Koiora Taketake Indigenous Biodiversity Community Grant** was used to purchase tools for student participation and volunteer and community planting days. Funds have also covered project management and administration of events, teaching volunteers, students and supporting kaiako to engage with the project. It has also allowed the plantings to be maintained over a long summer period with no

Our goal is for students to plant, care and monitor Te Pae Maharahara. This field project provides multiple learning opportunities and builds positive relationships with nature from a young age, critical for our future environment and for mental health and wellbeing. These plantings are a valuable resource to the wider community as an example of what can grow, and thrive, in the area.

2. Achievements & Expenditure

Despite setbacks with covid lockdowns our project has been very successful since initial excavation works to remove kikuyu, establish terraces, and deepen the gully. These works were funded by the kura in September 2021,

Our whānau planting day on 25 September 2021 was well attended and we planted our first 140 native trees, also preparing large areas with cardboard and mulch for future plantings. The tools funded (by Horizons) were well used and most appreciated. Thank you.

Individual classes and whanau helped with planting and mulching from September to December 2021.

Over the long dry summer my focus was on keeping trees watered and mulched. We lost a very small number of trees, mostly Manuka. As the weather started to cool, and more helpers available in February we planted additional trees and Harakeke and continued preparing areas for our main tree planting planned for Autumn/Winter 2022.

Our March whanau planting day was postponed due to Covid restrictions but we are now planning for planting and wwhanau day for Puanga/Matariki late June 2022 to plant our remaining 300 trees.

Achievements of our project has been:

1. The high number of successful plantings established in the first 7 months and
2. The steadily growing participation of students and staff in the planting and care of the field.

Spending was slightly over on tools as I purchased a Stihl battery operated weed eater for the project. (It was very difficult to keep the kikuyu out of the beds having no students/whanau over summer or, due to covid, late Feb and March). The battery model was more expensive but will have less ongoing petrol and maintenance costs.

Breakdown of Actual Project Spending:

Date	Invoice	Supplier	ex GST	Incl GST
Project Administration				
26-Oct	Inv 214	Rachel Stephenson Hours 23 Sep – 22 Oct 2021	2340	2691
8-Mar-22	Inv 215	Rachel Stephenson Hours 1 Feb – 8 March	3487.5	4010.62
21-Mar-22	Inv-219	Rachel Stephenson Hours 9 March – 14 April 2022	1260	1449.00
Total Admin			7087.50	<u>8150.62</u>
Tools				
22-Sep		Mitre 10 as listed on invoice		1438.75
13-Oct	A-411647	Mitre 10 gloves		160

13-Oct	A-411657	Mitre 10 Hose cart and remaining tools as listed on invoice	429.96
23-Mar		Stihl Battery operated weedeater plus blade	1180
		Total Tools	3208.71
		Total Time and Tools	<u>11359.33</u>

Grant funding was for **\$11 334.10.**

Spend is **\$25.23 over budget** which will be met by the kura.

3. Community Involvement

This project has been supported by the One Billion Trees Programme, Matariki tu Rākau, Ministry of Primary industries.

Our whānau planting day on 25 September 2021 had approximately 70 attendees -mainly students, kaiako and whanau but also other volunteers from the Castlecliff community.

The Tree Truck arborists, local Castlecliff Business, have donated many loads of mulch, on top of what we have purchased from them.

Heritage Food Crops Research Trust have donated all fruit trees to the project.

There have been visits to the project from multiple environmental groups including Castlecliff Coastal Care, The Learning Environment, Piwakawaka Farm, and Jade George (for Whanganui Intermediate School) to establish future collaborations.

Whanau members have been involved, unfortunately any regularity was hindered by the extended summer holidays and covid lockdowns, but we are looking forward to a renewed programme with the start of term 2. We will remind whānau they are welcome to participate via the facebook page and weekly kura pānui.

4. Project future

The remaining 340 trees of our 600 will be planted up to, and during, our next planting event at Pūanga/Matariki late June 2022. The whole kura will be involved in this planning and event, and we are hoping to document the project by video.

The goal for Te Pae Maharahara is that each class will take a section the planting as their own, to care for and monitor as the habitat establishes.

We will encourage Kaiako and assist students to include plant identification, signage, mahi toi, murals, seating etc, and any other ways they wish to engage (thereby learning from) their environment.

This project is ongoing and so requires a horticulturalist project manager/contractor (for a min 8 hours a week for the next 12 months) to fully establish and maintain plantings and to provide support to kaiako, volunteers and students.

This position will ensure the long-term success of this resource.

The kura have increased their own contribution to the kura māra for 2022 and are in the process of applying for additional funds to resource their long-term goals of becoming a kura taiao. (Environmental School)

We will be re-applying to this fund for the horticulturist position in the 2022 round.

5. Feedback

Thank you for supporting our project with funding, it has made a huge contribution to the success so far.

The application did take some time to complete and initially I was disappointed there did not appear to be provision for project management. I understand many environmental restoration projects are undertaken by volunteers and/or retirees, but it seems this can be a factor in the failure of projects since volunteers may not have the time or the full range of skills required.

In my experience volunteers come with mixed abilities and the time spent training and managing volunteers for specific projects requires skill and patience, it is fair this position is paid as there is a lot of responsibility.

I would like to thank the fund for recognising this, in funding our project and my time spent on it. Having a decent number of quality tools, which are light and easy for the students to handle, has been a huge asset to our project.

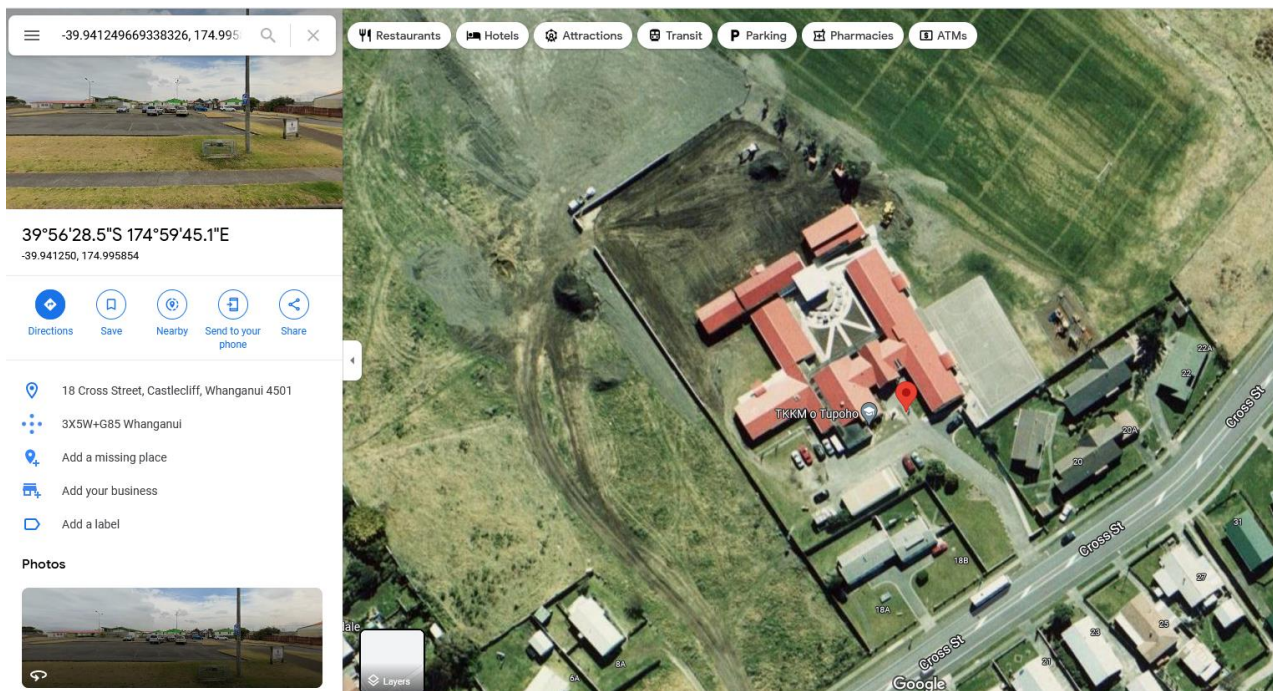
Thank you.

6. Recording work

18 Cross St Castlecliff Whanganui 4501

Location [N 1770398 E5576828](#)

Coordinates -39.941249669338326, 174.99585428776962



7. Photos of the project.



Before planting - 18 Cross St Castlecliff Whanganui 4501



Pre works April 2021



Preparing ground creating terraces and swales September 2022

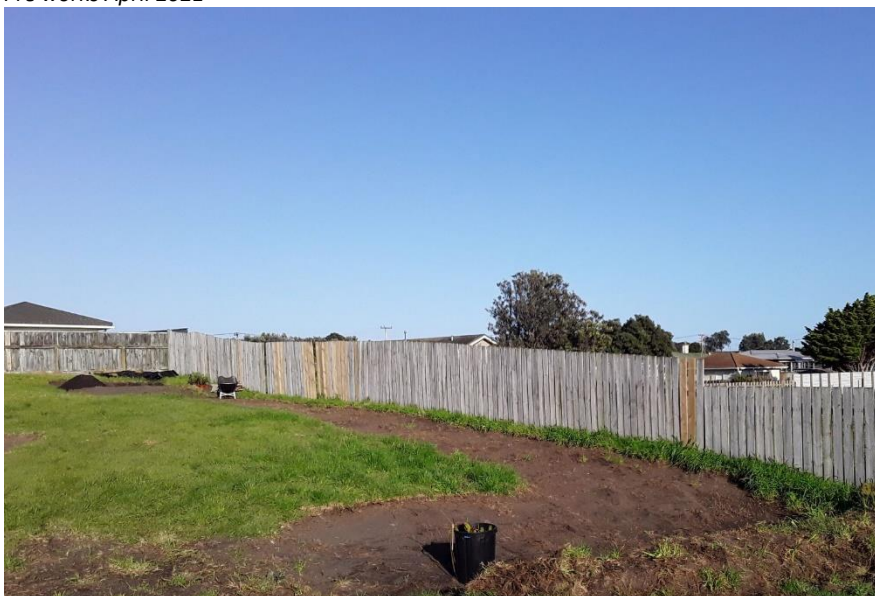


Preparing terraces and 'swales' to slow water as it moves down the hillside.

Adding compost and mulch to build soil and water holding capacity



Pre works April 2021



Morning of planting Day September 2021



Planting Day Sept 2021



Plantings mulched by students, April 2022



Planting Day Sept 2021



Planting Day Sept 2021



Native Terrace Feb 2022



Terraces April 2022



Top Native terrace April 2022



Terraces Feb 2022



Terraces Feb 2022



Pre works April 2021



Preparing ground removing Kikuyu October 2021



Kaiako planting Nov 2021



Feb 2022 – Preparing ground by drowning area with cardboard covered in mulch. This increases worm activity and adds organic matter to mainly sand banks improving soil.



First plantings Feb 2022



Tāne mulching late Nov 2021



Students and whānau mulching March 2022



He Raupa, He Tunga, He Tohu Iwi Whakauaua

Tēnā koutou,

I am writing in support of the work Rachel Stephenson has been doing with the permaculture plan we are implementing in our kura and to thank you for the funding you have provided to assist with this project.

Having funding to provide learning opportunities for our tamariki to engage with the environment is essential for us to promote and move to become a kura taiao.

Learning about the seasons, planning and preparing the whenua, plants, seed raising and propagation, harvesting the bounty and eating what you have grown. What fantastic real life learning skills our tamariki are engaged in, and exposed to, as a result of the funding you have given our kura.

We have held whānau planting days involving parents, aunties, uncles, friends and local members of the community who see the benefit in projects like these to grow and develop the future warriors who will one day be the caretakers of the environment in the future.

Thank you again for funding the purchase of tools, and our permaculture project. It would not be possible to fund someone with the passion desire and strong connection to the whenua, awa, moana without your support. Kaiako are now able to learn a new skill set and be collaborative in their practise. Sharing her knowledge and expertise with the team and tamariki has been a huge help.

Without outside agencies financial support, such as yourselves, kura would struggle to stretch the already limited funding from the Ministry to provide real life learning opportunities for our tamariki and whanau.

Especially in times such as we are experiencing now. To be able to grow our own food and contribute positively to the environment by restoring habitat will help our whanau into the future not just for today but for tomorrow,

Once again the whanau of Te Kura Kaupapa Maori o Tupoho thanks you for your support and look forward to continuing this relationship going forward,

ngā manaakitanga
Tim Tukapua

Te Kura o Te Wainui-a-Rua

Tiaki Taiao o Te Awa
Tupua

As a successful applicant to the Kanorau Koiora Taketake – Indigenous Biodiversity Community Grant we require all recipients to provide Horizons Regional Council with a brief report on the outcomes of the project at its completion. This report enables us to monitor the success of the projects, gather any learnings from the projects that can be applied across future projects, and helps Horizons improve its processes and support that we provide to each project.

Date. 17/06/2022

Name of the project:
Tiaki Taiao o Te Awa Tupua

Report completed by:
Marie Haira

Contact details

Email **mhaira@tewainuiarua.school.nz**

Phone **(06) 3428123**

Address **4502 Whanganui River Rd, R D 6, Whanganui 4576**

1. Project background

Include here a brief description of the project and the project goals. This may extend beyond the scope of this funding. Approximately 150-300 words.

We are wanting to teach our tuakana students how to set, monitor and evaluate a predator control programme. We have a number of whanau members who have recently graduated with their pest control qualifications and they will be guiding us on the appropriate locations and processes to catch possums, rats and stoats. With a decrease in our number of pests, we are hoping that the number of native birds and other species will increase.

2. Achievements & Expenditure

State here the achievements reached within the scope of this funding. Please report on the project budget and include expenditure against funding awarded. Approximately 150-300 words.

We have purchased a number of traps to start our predator control programme and our whānau tutors have taught our students how to set, maintain and monitor them. We have registered with Trap NZ and input our weekly catches. Some of the students have learnt how to reset the traps independently. We have incorporated the learning from this project into our Science and Technology curriculum.

Financial summary

Budget items	Actual Expenditure
X 10 SA2 traps	\$850.00
X3 Good Nature A 24 traps	\$597.00
X 10 DOC 200 traps	\$1,900.00
X 10 Trapinator Possum traps + lure	\$612.55
Pest control tutors	\$2,100.00
TOTALS	\$6,059.55

3. Community Involvement

Include here groups or individuals who have been involved with this project and approximate number of people involved. For example approximate numbers attending public planting days, landowners, schools etc. approximately 50-100 words.

All students at our school and their families were involved. We informed surrounding land owners, farm managers and neighbours about our project. Two of our parents provided the expertise, teaching our staff and students. Approximate numbers involved are 75+ people.

4. Project future

Include here any ongoing plans for this project and how the recent works will be maintained into the future. Approximately 100-300 words.

As we have the traps and knowledge to maintain this project, we plan to continue trapping and spread our boundaries to include surrounding land blocks. With further support, we would like to provide each family with their own traps. Our students are spread from Parikino to Pipiriki so by scaling up our project, we could help reach our national target of being Predator Free by 2050.

5. Feedback

Please provide some feedback around the community grant process from the application right throughout the project. Approximately 50-200 words (if applicable).

The follow up support from Horizons staff was very helpful. Although we didn't manage to receive on site support due to a

number of reasons, Nick was very generous in sharing his knowledge and expertise.

6. Recording work.

For reporting purposes Horizons would like to record the location of projects funded. A grid reference in NZTM or NZ map grid is ideal. (Horizons can help with the mapping if required).

<https://www.trap.nz/node/13050377>

-39.58138719225917, 175.1073997414845

4502 Whanganui River Rd, Whanganui

7. Photos of the project.

One of the most effective tools we have to engage the community is sharing the great work communities are doing. Photos of communities working to enhance biodiversity are an important tool in furthering community engagement. Include some photos here if available.









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Te Kura o Te Wainui-a-Rua

Shayna Hough
 0220922574

