For the nearly forty participants of Cape to City's kaitiakitanga hui, the importance of people was a guiding principle of the day's discussions. It was also a challenge: to foster and improve Māori collaboration as the project continues to grow.

The hui, which took place on Waimārama marae, presented the first opportunity for Hapū within the Cape to City footprint to discuss and contribute to the project. The invitation to attend stretched throughout Hawke's Bay. Trevor Taurima spoke on behalf of Maungaharuru Tangitu about the Poutiri Ao ō Tāne project. Also present were representatives from Ngāti Pāhauwera, Ngāti Hineuru, and Matahiwi Marae, along with participants from the Hastings District Council, Sustaining Hawke's Bay Trust, Wairoa District Council, Eastern and Central Community Trust and the East Coast Hawke's Bay Conservation Board.

Additional hui are planned to continue the conversation.

## Kaitiakitanga hui - Waimarama Marae 14 Sept 16

# 2016

# 2016

## Research – Toxoplasmosis

Feral cats which are known carriers of the disease toxoplasmosis are the target of Cape to City's predator control programme that could save Hawke's Bay farmers in excess of $4.5 million a year. Our monitoring programme testing ewes on six farms has found up to 30% of sheep carry the disease, which causes a high abortion rate in pregnant ewes. By reducing feral cats, it is hoped abortion rates will decrease, increasing production and the economic benefits for farmers. Project partner Landcare Research are carrying out this research.

Another 50 000 trees were planted along the Maraetotara river over winter 2016. Hohepa, Maraetotara Tree Trust and contractor???????

## Habitat Restoration

# 2016

# 2016

## Wireless technology August 2016

Wireless technology underwent further trials for economic analysis.

Data collected to compare time taken to check all of the traps versus only those set off as triggered by wireless nodes. Project partner, Landcare Research are currently doing the analysis

Te Awanga Downs

Cape to City were proud to support the Clifton County Cricket Club planting day where more than 80 volunteers planted 1300 native plants behind Te Awanga, spending two hours planting flaxes, kowhai and other species throughout the property. Matt Nilsson, who has been leasing the farm for the past decade, said he and his family have seen big changes since the community plantings began a number of years ago. "We now have pateke nesting here, and we're starting to see some of the same species of birds that live up in the Cape Sanctuary. The birdlife is slowly but surely coming back," he said.

## Clifton County Cricket Club Planting Day 24 July 2016

# 2016

## 2016

### Rat control in Mohi Bush and 100 acre bush to facilitate translocation of robins and tomtits – July 2016

A total of 30 tomtits and 30 robins were the first birds to be released as part of Cape to City. The robins were captured at Boundary Stream Mainland Island on Maungaharuru, then released into the Hundred Acre Bush along the headlands south of Waimarama. This translocation had additional significance as it was the first translocation to occur from Poutiri Ao o Tane to another project, and fitting that the first recipients should be the sister project. Rat control was carried out to support the bird survival. In total 90 robins will be re-introduced over the next three years.

The first of three stages of predator control involved approx 30 landowners and live trapping on around 2000 hectares. Hawke's Bay Regional Council's predator control specialists visited landowners to discuss details of the control, obtain permission and to get a better understanding of their environment including recording any domestic cats living there or nearby. Domestic cat owners were offered identifying cat collars and free services for microchipping and desexing. With an estimated 2.5 million feral cats in New Zealand, cat control is vital to the success of programmes such as Cape to City. Stoats and ferrets also have a major impact on birdlife. After the live capture period ends a network of permanent kill traps will be laid out to continue to keep number of target species low.

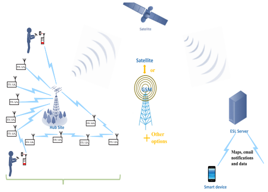
### Wide Scale Predator Control Operation Begins - April 2016

## 2016

## 2016

### Wireless Technology Trial Begins April 2016

Wireless technology could be a 'game changer' for reducing costs of pest control in Hawke's Bay by as much as 50-80%. The system works using nodes on individual traps that send a signal by email or text to a designated phone, computer or other device. This means for example that a farmer doing his usual daily work could incorporate clearing the handful of traps he knows have gone off as he drives past vs checking every single trap. Or for a contractor knowing which traps have gone off, there are time and cost efficiencies to be made. Trials of this technology continue in the project to streamline the effectiveness and analyse the efficiencies.



ESLNet– System Schematic

Community representatives, Kevin Trerise, Des Ratima, Mike Bain, Jenny Mauger, Sarah Grant (pictured with Cape to City team members Melissa Brignall-Theyer, Campbell Leckie and Wendy Rakete-Stones) are part of our Cape to City Community Advisory Group. These representatives provide valuable connections and input for the Cape to City team as a voice for the community.

**He aha te mea nui o te ao**
*What is the most important thing in the world?*
**He tangata, he tangata, he tangata**
*It is the people, it is the people, it is the people*

### First Cape to City Community Advisory Group

## 2016

## 2016

### Sir Peter Blake Ambassadors - February 2016

Two Auckland women, Rachel Cooper and Alice Ward-Allen both won Blake DOC Ambassador awards to work alongside locals on the Cape to City project. Rachel and Alice worked to set trap and bait stations, monitor and feed kaka, prepare petrel nest boxes, and monitor other native birds. The Sir Peter Blake Trust works with a number of partners each year to provide opportunities to people aged 18-25.

Automatic bat recorders were deployed in Mohi Bush over December to January. Data collected and analysed showed the presence of long tailed bats.

## Bat and Invertebrate Monitoring –

## 2016

## 2015

## Community wireless monitored trap trial - Nov 2015 – Jan 2016

140 traps with wireless technology went out to 6 community groups in different areas around Hawke's Bay. This provided another opportunity to trial the technology in different contexts and habitats to test and evaluate its efficiency and effectiveness.

Research and monitoring are key parts of the project, to measure the benefits and changes to the biodiversity. Monitoring will be regularly undertaken beginning with baselines from which to measure future changes.

## Community Survey Bird monitoring began in Cape to City footprint – Nov

## 2015

## 2015

## Landowner Launch - 27 November 2015

November 2015 saw the official launch of the Pest control part of the Cape to City project at the Waimarama Community Hall for the residents within the 26,000 ha Cape to City footprint. Hosted by Bruce Wills and the Cape to City pest team the event was well attended by the positive and supportive local community, and gave an opportunity for the team to discuss with locals in more detail about how the pest control was going to roll out.

This part of the education initiative aims to teach the teachers, to inspire, encourage and equip them to reconnect students with nature and use the environment as a context for learning across all areas of the curriculum. This concept of encouraging creative hands and realising the opportunities for learning outside the traditional indoor classroom was further extended when Cape to City began working with EIT and the candidate teachers of the Bachelor of Teaching – Primary.

## Nature time workshops and partnership with EIT – October 2015

## 2015

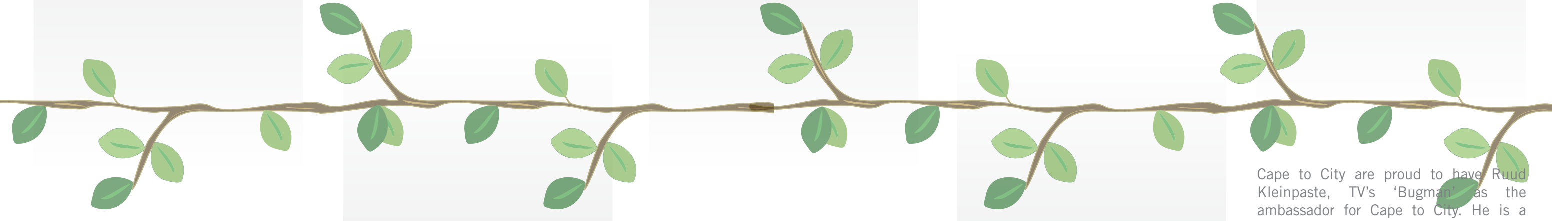
# 2015

## Research

Research is an important part of the project with a number of research topics including monitoring and measuring the biodiversity changes, social changes, economic benefits and a case study on the project itself.

Example: Becky Niemic, Stanford University – Rural Survey

The study undertaken by a Stanford University student Becky Niemiec clearly indicated that landowners are willing to participate in Cape to City based on the overall success of the Possum Control Programme that first began in 2000. The study has reinforced what farmers value and want out of predator control programmes and there is a desire in the community for this type of project.



# 2015

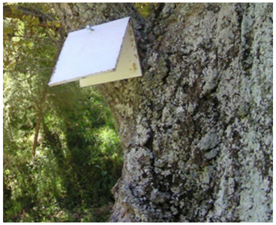
## Riparian Planting - Winter 2015

Over 15 000 trees were planted on the Maraetotara River to begin the habitat restoration goals of the project. Part of returning "Native species to where we live work and play" is providing additional habitat to support this. Planting was carried out with the assistance of Hohepa, Maraetotara Tree Trust and students from USA via Massey University.

# 2015

## Initial predator monitoring with chewcards – 2015

Landcare Research has developed a sensitive detection method for low density predator populations. The technique uses corflute markers which are partially filled with meat for predators to bite into. Predators will leave unique teeth marks which can be identified. The cards are a 'mapping' tool to indicate to the council where predator 'hot spots' are occurring and how successful a control operation has been for very low cost.



# 2015

## Cape to City education programmes

Cape to City offers four programmes to schools. Backyard Biodiversity, Marine, Freshwater and Bush programmes are all easily adapted to accommodate the needs and learning outcomes for teachers and their students. The support and guidance provided by the Cape to City team for teachers and students have seen learning outcomes achieved, a thirst for more and students taking positive actions for the environment

# 2015

## Ruud Kleinpaste Ambassador for Cape to City

Cape to City are proud to have Ruud Kleinpaste, TV's 'Bugman' as the ambassador for Cape to City. He is a key part of the Cape to City education programme led by DoC's education programme co-ordinator Robyn McCool. The focus is the importance of education in helping younger generations understand the value of biodiversity. *"In Hawke's Bay, with the Cape to City initiative, we are in a perfect position to explore some transformational ideas to ensure that the next generation of New Zealanders builds greater understanding and respect for the ecosystem services our biodiversity provides and how to look after the planet by rediscovering its operating manual,"* says Kleinpaste.

# 2011

## Poutiri Ao ō Tāne project began

Poutiri Ao ō Tāne is a unique collaborative ecological and social restoration project located at the Maungaharuru-Tutira catchment, 60km north of Napier with Boundary Stream Mainland at its heart. The project aimed to see the return of native species that have been lost to the area over time – and to see these species flourish, not only in the habitats we expect them to be in such as native bush, but also within the agriculture and forestry landscape. Innovative management and research is a component of this project – with predator control extending beyond Boundary Stream Mainland Island to cover 8000 ha of adjoining land.

The learning from this project led to the development of Cape to City.

# 2015

## Cape to City Project Launch - 30th April 2015

War Memorial Centre, Napier

Cape to City is an ecological restoration project with a strong focus on wide-scale predator pest control. It links to existing projects of this type, including Cape Sanctuary.

Hawke's Bay Regional Council, Department of Conservation, Landcare Research, Cape Sanctuary, the Aotearoa Foundation and 168 landowners in the Cape to City project area are working in partnership on this project to see "Native species thrive where we live work and play"