The forest fragments, existing corridors and proposed corridors in the Eastern Bays Songbird Project zone.







Saddleback / tīeke. Photo by Shaun Lee.

Recommended next steps to implement the ecological corridors

The next steps towards implementing the ecological corridors outlined in this report are as follows:

- Launch education and advocacy campaign in the Eastern Bays on the negative impact of invasive plants, removal techniques and alternative native species
- Continue to promote pest control to residents in the Eastern Bays
- Encourage schools to promote habitat enhancement in their local communities
- Explore the potential for collaboration with the Ngāti Whātua Ōrākei plant nursery to provide eco-sourced native plants to residents in the Eastern Bays

- Promote planting days within the Eastern Bays hosted by Auckland Council, Conservation Volunteers and Ngāti Whātua Ōrākei
- Investigate the potential for weed swap events, mothplant pod competitions etc in the area.
- Discuss limiting the sale of invasive plant species with commercial plant nurseries in and around the Eastern Bays
- Discuss the feasibility of road and rail corridor planting with Auckland Council, Örakei Local Board, Ngāti Whātua Õrākei and relevant transport providers



The Eastern Bays are a popular destination for Aucklanders and visitors due to the natural geographic advantages of their coastal location. Given the Bays position, bounded by the waters of the Waitematā Harbour, Tāmaki Estuary and Pourewa Creek and mid-way between the city and the pest-free islands of the Hauraki Gulf, they also have the potential to become a jewel of biodiversity, vibrant with native bird, insect and reptile life, within Auckland City. With vision, commitment, and by harnessing the enthusiasm of the community, the Eastern Bays could become a place where iconic species such as tūī, kererū, kākāriki, bellbird and kākā, and also smaller native species such as fantail and grey warbler, forage in flocks among native trees in the backyards of residents. For this to become a reality, habitat for these species needs to be increased and better connected through revegetation efforts, and the abundance of mammalian predators reduced further. This report aims to identify strategic revegetation sites in the Eastern Bays to increase indigenous forest cover, improve the long-term viability of current ecosystems and restore ecological corridors to enable movement of native species.

Building on the ecological enhancements planned in parks and reserves by the Ōrākei Local Board and Auckland Council and on Māori land by Ngāti Whātua Ōrākei ^[18-20], a number of ecological enhancements have been proposed in this report which are critical to native biodiversity in the area. All existing forest fragments in the area on public, private and Māori land should be enhanced through weed removal and animal pest control. An increase in native vegetation will provide food and habitat for a range of native birds, insects and reptiles.

At present, roadside and backyard vegetation is primarily exotic grasses or trees that provide little to no ecological benefits for native species but to be effective, the forest fragments must be connected through appropriately vegetated corridors. To affect this, it is proposed that a diverse assemblage of native groundcovers, shrubs and trees be planted in backyards and on berms in key zones as defined in this report. Enhancing road corridors and backyards with native vegetation would significantly increase indigenous forest cover, enhance connectivity between forest fragments and help to create a pest-free urban sanctuary where populations of native species can flourish. It would also be a critical step in increasing canopy cover to 24%, as outlined by the Ōrākei Local Board ^[18] and towards facilitating the movement of biodiversity throughout the Eastern Bays and the wider Auckland region as envisaged in Auckland's Urban Ngahere (Forest) Strategy ^[22].

Appendix

The scientific and Māori names of plant and animal species mentioned in-text. (*) denotes exotic species.

Common name	Māori name	Scientific name
Swamp harrier	Kāhu	Circus approximans
Silvereye	Tauhou	Zosterops lateralis
Grey warbler	Riroriro	Gerygone igata
Kingfisher	Kōtare	Todiramphus sanctus
Morepork	Ruru	Ninox novaeseelandiae
Shining cuckoo	Pīpīwharauroa	Chrysococcyx lucidas
Whitehead	Pōpokatea	Mohoua albicilla
North Island robin	Toutouwai	Petroica longipes
Saddleback	Tīeke	Philesturnus rufusater
Stitchbird	Hihi	Notiomystis cincta
NZ falcon	Kārearea	Falco novaeseelandiae
Long-tailed cuckoo	Koekoeā	Eudynamys taitensis
Tomtit	Miromiro	Petroica macrocephala
Kōkako	Kōkako	Callaeas wilsoni
Bats	Pekapeka	Chalinolobus tuberculatus and Mystacina tuberculata
Huhu beetle and grub	Huhu	Prionoplus reticularis
Banded kōkopu	Kōkopu	Galaxias fasciatus
Eels	Tuna	Anguilla spp.
Auckland green gecko	Moko kākāriki	Naultinus elegans elegans
Forest gecko	Mokopirirakau	Moko
Pacific gecko	Mokopāpā	Dactylconemis pacificus
Copper skink	-	Oligosoma aeneum
Ornate skink	-	Oligosoma ornatum
Moko skink	-	Oligosoma moco
Shore skink	-	Oligosoma smithi
Rainbow skink*	-	Lampropholis delicata
Rats*	Kiore	Rattus spp.
Mustelids*	-	Mustela spp.
Possum*	-	Trichosurus vulpecula
Cat*	-	Felis catus
Fig wasp*	_	Leistodontes froggatti

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Madeira vine*-Anredera cordifoliaEucalyptus*-Eucalyptus spp.Poplar*-Populus spp.Willow*-Salix spp.Jerusalem cherry*-Solanum spp	Japanese honeysuckle*	_	Lonicera japonica
Eucalyptus*-Eucalyptus spp.Poplar*-Populus spp.Willow*-Salix spp.Jerusalem cherry*-Solanum spp	Madeira vine*	-	Anredera cordifolia
Poplar*-Populus spp.Willow*-Salix spp.Jerusalem cherry*-Solanum spp	Eucalyptus*	-	Eucalyptus spp.
Willow*-Salix spp.Jerusalem cherry*-Solanum spp	Poplar*	-	Populus spp.
Jerusalem cherry [*] - Solanum spp	Willow*	-	Salix spp.
	Jerusalem cherry*	-	Solanum spp

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