

*appendix 1:
ecological linkage
opportunities and
restoration areas*



ID NO.	AREA MAP	ECOLOGICAL LINKAGE/ RESTORATION AREA	DESCRIPTION OF ECOLOGICAL LINKAGE/RESTORATION AREA
1	Bethells - Te Henga	Koropotiki Gully	Mostly in ARC Parkland, with small area in private land. Primarily ecological linkages, often on ridges, connecting areas of significant vegetation. One small restoration area. Several discrete units. Farmland with regenerating patches of bush scattered in pasture.
2	Waitakere Township Scenic Drive North	Anzac Valley/Kumeu River Headwaters	All on private land. Unit contains ecological linkages along riparian margins and connecting many fragmented areas of significant vegetation. Predominantly rural and lifestyle areas. Some exotic forestry in headwaters.
3	Swanson; Waitakere Township	Kay Road/Upper Swanson	All in private land. Contains mainly ecological linkages connecting areas of significant and outstanding vegetation. Some areas on ridges others along riparian margins. Predominantly pasture in lifestyle blocks with some large residential blocks.
4	Birdwood	Ngongetapara Catchment	All on private land. Ecological linkages and restoration areas, connecting and extending areas of significant vegetation. Mainly located along riparian margins in pasture areas.
5	Birdwood	Birdwood	All on private land. Ecological linkages and restoration areas, connecting and extending areas of significant vegetation. Along riparian margins, and through pasture areas.
6	Whenuapai	Kauri Road	RNZAF land. Restoration areas connected by a linkage area. On edge of airfield near the Waitemata Harbour.
7	Whenuapai	Whenuapai Shoreline	Mainly coastal esplanade reserve, with small areas on RNZAF and private land. Restoration areas along riparian margin and linkages to small area of significant vegetation. Mainly semi-rural environment.
8	West Harbour	Waipareira Bay	Predominantly esplanade reserve, some of which is headland. Restoration areas, and ecological linkages connecting riparian margins with significant vegetation to coast. Residential (current and future).
9	Royal Heights	Colwill	Predominantly coastal esplanade reserve or parkland. Some private land. Restoration areas along Waitemata Harbour, adjacent to areas of significant vegetation . Residential environment.
10	Te Atatu Peninsula; Te Atatu South; Lincoln; Massey	Northwestern Motorway	Transit New Zealand land. Ecological linkage along carriageway of the motorway potentially connecting a series of catchments draining into the Waitemata.
11	Massey	Manutewhau Catchment	All public land. Restoration area along riparian margin through Moire Park, extending from significant vegetation.
12	Massey; Massey North	Rarawaru Catchment	Predominantly private land, with small area of WCC park. Restoration area along riparian margin in a residential environment.
13	Massey	Zita Maria Park/ Makomako Catchment	Land owned by Transpower and privately owned pasture land adjacent to residential areas. Restoration areas along riparian margins on Transpower land.
14	Ranui	Lower Swanson	Ecological linkages along riparian margins in WCC park, adjacent to areas of significant vegetation. Adjacent to residential area, and is an area zoned for future urban growth.
15	Swanson; Henderson Valley	Waimoko Catchment	All on private land. Restoration areas and ecological links connecting and extending areas of significant vegetation. Some along riparian margins. Predominantly rural, with some residential areas.
16	Sturges; Henderson Valley	Paremuka Catchment	Mostly private land with some NZ Rail Land. Mix of restoration areas and ecological links along and adjacent to riparian margins, connecting and extending significant vegetation. Rural environment.

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17	Henderson Valley, Swanson	Vineyard Road	All on private land. Ecological linkages connecting areas of significant vegetation. Regenerating riparian margins, and pasture in a rural environment.
18	Henderson Valley	Opanuku Stream	Predominantly esplanade reserve, some private land. Ecological linkage along Opanuku Stream connecting areas of significant vegetation with north/eastern coast of the Waitemata Harbour (Henderson Creek). Riparian margins included in linkage area. Surrounded by a mix of residential and rural areas.
19	Forest Hill	Driving Stream	All on private land. Ecological linkages between areas of significant vegetation and along riparian margins. Rural environment
20	Forest Hill	Anamata Stream	All on private land. Ecological linkages and restoration areas, connecting and extending areas of significant vegetation. Along, and adjacent to, riparian margins. Rural environment.
21	Forest Hill	Holdens Road	Privately owned restoration area, in rural environment.
22	Lincoln; Te Atatu South	Henderson Creek	Restoration and ecological linkage areas, predominantly along riparian margins. Connects Oratia and Opanuku Streams to Waitemata Harbour. In residential and industrial areas.
23	Te Atatu Peninsula	Taipari Strand/Te Atatu Shoreline	All coastal esplanade reserve or WCC park. Connects areas of significant and outstanding coastal vegetation. Adjacent to residential areas.
24	Te Atatu Peninsula	Harbour View	Mix of esplanade reserve and WCC land, including parks and Housing Corporation land. Includes the Harbour View Development. Mostly ecological linkage, with some restoration areas fronting the coastal edge.
25	Henderson	Lower Oratia	Mostly riparian esplanade reserve or WCC park, but with a large component of privately owned land. Ecological linkage along riparian margins. In a mix of industrial, commercial and residential areas.
26	Glendene; Kelston; New Lynn	Whau River Shoreline	Predominantly coastal esplanade reserve, with small area of private land. Ecological linkage along large part of Whau River coastline. Residential and industrial areas adjacent.
27	Glendene	Titimoana	Mix of private land and WCC park. Isolated restoration areas including some riparian margin. Residential area.
28	Glendene	Wairau Creek/Waikumete Cemetery	Predominantly public land (Cemetery) with small area of private land. Ecological linkage and restoration areas connecting areas of significant and outstanding vegetation. Residential environment surrounding large park-like Cemetery.
29	Glen Eden	Waikumete Stream	All in WCC park, cemetery or esplanade reserve. Ecological linkage with some restoration areas. Residential areas adjacent.
30	Woodlands; Oratia	Oratia Catchment	All on private land. Small restoration and ecological linkage areas, connecting areas of significant and outstanding vegetation. Bush residential area.
31	Glen Eden; Woodlands	Glengarry	All on private land. Restoration areas adjacent and along riparian margins, and linkages connecting area of significant vegetation to riparian margins.
32	Glen Eden	Fairmont Road	All on private land. Along riparian margin, and adjacent to area of significant vegetation. Residential area.
33	New Lynn	Rewarewa Catchment	Mostly on WCC park with a small area on private land. Ecological linkage along and adjacent to riparian margin. Residential and commercial area.
34	Green Bay	Avondale Stream	Private and public land (esplanade reserve and WCC park). Ecological linkage between Manukau and Waitemata Harbours. Mix of residential, commercial and industrial environments and privately owned golf course adjacent.

ID NO.	AREA MAP	ECOLOGICAL LINKAGE/ RESTORATION AREA	DESCRIPTION OF ECOLOGICAL LINKAGE/RESTORATION AREA
35	Green Bay; Titirangi	Crum Park	Private land and WCC park. Ecological linkage areas between areas of significant vegetation. Residential area.
36	Green Bay; Titirangi	Pine Song	Private undeveloped residential land. Restoration area extending area of outstanding vegetation along the Manukau Harbour coast.
37	Green Bay; Titirangi	Little Muddy Creek	Private land. Ecological linkage between areas of significant vegetation. Mostly a bushed environment.
38	Little Huia	Little Huia	Private land. Restoration area adjacent to areas of significant vegetation. Coastal settlement area.
39	Laingholm	Waiohau	Private land. Ecological linkage consolidating areas of significant vegetation. Some along significant ridgelines.
40	Laingholm	Laingholm Drive	Private land. Ecological linkage consolidating areas of significant vegetation.
41	Laingholm	Huia Road	Private land. Ecological linkage consolidating areas of significant vegetation. Some along riparian margins.
42	Laingholm	Laingholm Central	Private Land. Ecological linkage consolidating areas of significant vegetation.
43	Titirangi	Waituna Stream	Private and public land. Ecological linkage connecting and consolidating areas of significant vegetation. Some along riparian margins.
44	Titirangi	Alic Glen	Mostly private, with some public land. Ecological linkage connecting areas of significant vegetation. Some along riparian margins.
45	Titirangi	Titirangi South	Private land. Ecological linkage consolidating areas of significant vegetation. Some along significant ridgelines.

ECOLOGICAL LINKAGE OPPORTUNITIES

ECOLOGICAL LINKAGE OPPORTUNITY.	TENURE	CONNECTS	DESCRIPTION
Long Road	private	reduces bush edge, buffers and connects significant vegetation	ridge
Pae-O-Te-Rangi	ARC park	joins significant vegetation, reduces bush edge	riparian
Waitakere River	private/esplanade	extends significant vegetation	riparian
Dilworth Stream Headwaters	private	joins significant vegetation	
Kumeu River	private	joins significant vegetation, reduces bush edge	riparian
McEntee Stream	private	joins restoration area and significant vegetation	riparian
Kumeu River Headwaters	private	reduces edge of significant vegetation, joins significant vegetation	riparian
McEntee Headwaters	private	joins outstanding vegetation and significant vegetation	riparian
Matariki Headwaters	private	joins significant vegetation, reduces bush edge	ridge
Matariki Headwaters	private	joins significant vegetation, reduces bush edge	riparian
Hurinui Headwaters	private	joins significant vegetation	ridge
McEntee Headwaters	private	joins significant vegetation, reduces bush edge	ridge
McEntee Stream	private / NZR	links significant vegetation to restoration area and larger significant vegetation	railway corridor
McEntee tributary	private	outstanding vegetation to significant vegetation	riparian
balefill	WCC	significant and outstanding vegetation	
King Stream	private	joins significant vegetation	riparian
McEntee tributary	private	joins significant vegetation	riparian
Kay Road	private	joins significant vegetation	3 sides significant vegetation
Pakinui Catchment	private	joins significant vegetation	
King Stream	private	extends significant vegetation	riparian
Waitakere Road	private	extends restoration area, reduces bush edge	riparian
Ngongetepara Sream	private	joins significant vegetation	riparian
Red Hills Stream	private	joins restoration area to significant vegetation	riparian
Ngongetepara headwaters	private	joins significant vegetation and restoration areas	riparian
Momutu headwaters	private	joins significant vegetation	riparian
Momutu Stream	private	joins significant vegetation and restoration area	riparian
Hobsonville	RNZAF	joins significant vegetation	coastal
Oakpark Place	esplanade	joins significant vegetation	coastal/riparian
Marina	esplanade	links outstanding vegetation to coast	coastal
Waipareira Stream	espalnade	links outstanding vegetation to coast	riparian

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West Harbour Coast	esplanade / park	links restoration area	coastal
Allington Road esplanade	esplanade	links outstanding vegetation to restoration area	coastal
Royal Road Esplanade	esplanade	links outstanding vegetation to restoration area	coastal
Rarawaru - Huruhuru	TNZ	linkage areas	motorway corridor
Central Park Drive	TNZ/esplanade	joins restoration areas	motorway/coastal
The Concourse	esplanade	extends and buffers significant vegetation	coastal
Huruhuru Creek	RNZ2	extends restoration area	coastal
Huruhuru Creek	RNZ3	extends restoration area	coastal
Huruhuru/Bittern Place	esplanade	extends restoration area	coastal
Manutewhau-Tihema Stream	TNZ	links restoration area to significant vegetation	motorway corridor
tributary of Manutewhau	private	extends significant vegetation	riparian
Manutewhau-Tihema Stream	TNZ	links restoration areas	motorway corridor
SH16 down motorway	TNZ	extends restoration area	motorway corridor
Tihema Stream	private	buffers native vegetation	riparian
Bellringer Rd/Rarawaru	private	extends restoration area across Bellringer Rd	riparian
Royal Road/Motorway	TNZ	linkage areas	motorway
Rarawaru Stream	private	joins restoration areas	riparian
Zita Maria Park	open space	joins outstanding vegetation and significant vegetation, also buffers	riparian
Sunline Esplanade	esplanade	significant with outstanding vegetation	coastal
Swanson Stream	private	buffers significant vegetation and joins patches of significant vegetation	riparian
Swanson Stream	esplanade	joins significant vegetation	riparian
Momutu Stream	private	buffers significant vegetation	riparian
Swanson Stream	park/esplanade	buffers significant vegetation	riparian
Lonesome Brook	private	joins restoration areas	riparian
Blewitt Gully tributary	private	joins significant vegetation	riparian
Blewitt Gully	private	joins significant vegetation across road	riparian
Blewitt Gully tributary	private	joins significant vegetation	riparian
Blewitt Gully tributary	private	restoration area to significant vegetation	riparian
Waimoko tributary	private	restoration area to significant vegetation	riparian
Blewitt Gully	private	joins restoration areas	riparian
Waimoko Stream	private	joins restoration areas	riparian
Waimoko Stream	private	joins restoration areas	riparian

ECOLOGICAL LINKAGE OPPORTUNITIES

ECOLOGICAL LINKAGE OPPORTUNITY.	TENURE	CONNECTS	DESCRIPTION
Paremuka/Ranui	private/NZR	restoration area to significant vegetation, wildlife corridor	riparian
Paremuka	private	significant vegetation, wildlife corridor	riparian
Paremuka Headwaters	private	connects significant vegetation and restoration area, wildlife corridor	riparian
Lonesome Brook Headwaters	private	connects restoration area to significant vegetation	riparian
Waimoko tributary	private	connects significant vegetation across road	riparian
Coulter Road	private	significant vegetation to restoration area	
Candia Road	private	reduces bush edge of significant vegetation, connects significant vegetation and restoration areas	ridge
Gt North to Sel Peacock	esplanade	linkages	riparian
Henderson Creek	private	linkages	riparian
Opanuku Stream	private	connects significant vegetation, wildlife corridor	riparian
Opanuku Stream	private/park	connects significant vegetation, buffers significant vegetation, wildlife corridor	riparian
Opanuku tributary	private	connects significant vegetation, wildlife corridor	riparian
Opanuku Stream	park	connects significant vegetation, buffers significant vegetation, wildlife corridor	riparian
Opanuku Stream	WCC park	buffers significant outstanding and significant vegetation, reduces bush edge, wildlife corridor	riparian
Garelja Road	esplanade	reduce bush edge of significant vegetation, wildlife corridor	riparian
Fitzwater Place	esplanade	reduce bush edge of significant vegetation, wildlife corridor	riparian
Vintage Drive	esplanade	reduce bush edge of significant vegetation, wildlife corridor	riparian
Henderson Park	WCC	reduce bush edge of significant vegetation, wildlife corridor	riparian
Corbans Estate	WCC	reduce bush edge of significant vegetation, wildlife corridor	riparian
Corbans Estate	WCC	reduce bush edge of significant vegetation, wildlife corridor	riparian
Opanuku Stream	private	buffers outstanding vegetation, wildlife corridor	riparian
Parekura Stream	private	connects significant to outstanding vegetation across Henderson Valley Road	riparian
Stony Creek	private	connects significant vegetation, reduces bush edge	riparian
Driving Stream	private	connects significant vegetation, reduces bush edge	riparian
Anamata headwaters	private	connects significant vegetation, reduces bush edge	riparian

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Anamata Stream	private	connects significant vegetation and restoration areas	riparian
Forest Hill Road	private	joins significant vegetation, across Forest Hill Road	
Henderson Creek	esplanade	restoration area	riparian
Henderson Creek	esplanade/park	buffers restoration area	coastal
Henderson Creek	esplanade	buffering and linking significant and outstanding vegetation	riparian
Oratia-Alderman to Henderson Creek	Tui Glen	extension of restoration area	riparian
Harbour View	private	connects and buffers significant vegetation	coastal
Spinnaker Esplanade	esplanade	extends significant vegetation	coastal
upper Oratia Stream	esplanade/private	linkages	riparian
mid Oratia Stream	esplanade/private	linkages	riparian
Oratia Stream below View Road	private/esplanade	linkages	riparian
Oratia Stream Edsel to Gt North	private	linkages	riparian
Edsel to Gt North	esplanade	linkages	riparian
Gt North to Alderman	private	linkages	riparian
Gt North to Alderman	esplanade	linkages	riparian
Alderman to Henderson Creek	WCC	linkages	riparian
Hepburn Road	esplanade/private	connects significant vegetation and outstanding vegetation	coastal
Aronui Esplanade	esplanade	connects significant vegetation to restoration area	coastal
Archibald Park	esplanade	connects significant vegetation to restoration area	coastal
McLeod Esplanade	esplanade	joins significant vegetation	coastal
McLeod Rd	private	joins significant vegetation to restoration area	coastal
Meadow Crescent	esplanade	joins significant vegetation to restoration area	coastal
McLeod Road	esplanade	joins restoration area to significant vegetation across Glendene Ave	coastal
McLeod Park	esplanade	buffers significant vegetation	coastal
Porters Stream	private	linkage	riparian
Gaden Stream	cemetery	joins and reduces bush edge of outstanding vegetation	riparian
Harmel Rd Esplanade	esplanade	connects significant and outstanding vegetation	coastal
Harmel Rd Esplanade	esplanade	significant and outstanding vegetation	coastal

ECOLOGICAL LINKAGE OPPORTUNITIES

ECOLOGICAL LINKAGE OPPORTUNITY.	TENURE	CONNECTS	DESCRIPTION
Gaden Stream	cemetery	joins outstanding and significant vegetation and restoration area	riparian
Rangeview Road	NZR	outstanding vegetation to restoration area	
Sunnyside Road	private	significant vegetation to restoration area	
Harmel Rd Esplanade	esplanade	buffers significant vegetation	coastal
Sabulite Road	private	extends significant vegetation	roadside
Gaden Stream	cemetery	joins restoration areas	riparian
Gaden tributary	cemetery	reduces bush edge of restoration area	riparian
Gaden Stream	Sabulite Road	extends restoration area across Great North Road	riparian
Glenview Road	cemetery	extends restoration area	riparian
Waikumete Stream	private	significant vegetation to restoration area, buffers significant vegetation	riparian
Waikumete Stream	cemetery	reduces bush edge of significant vegetation	riparian
Waikumete Stream	WCC park	reduces bush edge of restoration area	riparian
Parker Road	private	links significant vegetation and outstanding vegetation	
Oratia to confluence with Cochrane Stream	private	significant and outstanding vegetation	riparian
Oratia: Cochrane to Cable	private	extends significant and outstanding vegetation	riparian
Upper Oratia Stream	private	links and buffers significant vegetation, reduces bush edge	riparian
Upper Oratia/Potters Stream confluence	private/esplanade	links significant vegetation across West Coast Road	riparian
Cochrane Stream	private	links significant vegetation	riparian
Kaurimu Stream	esplanade	connects and buffers significant vegetation	riparian
Cochrane Catchment	private	links significant vegetation, reduces bush edge of significant vegetation	
Cantwell Stream	private	links significant vegetation	ridge
Kaurimu Stream	private	links of significant vegetation	riparian
Sharpe Catchment	private	links of significant vegetation	riparian
Parker Road	private	decreases bush edge of outstanding vegetation	
Sunde/Kaurimu Stream	private	joins significant vegetation to restoration area	riparian
Oratia: Cable to Parrs Cross Rd	private	extends significant vegetation	riparian
Cochrane Stream	private	reduces bush edge of significant vegetation	riparian
Cantwell Stream	private	reduces bush edge of significant vegetation	
Kaurimu Catchment	private	reduces bush edge of significant vegetation	
Sharpe Catchment	private	reduces bush edge of significant vegetation	

ECOLOGICAL LINKAGE OPPORTUNITIES

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Carter Rd/Sunde Catchment	private	joins resoration areas	riparian
Kaurimu Catchment	private	links outstanding vegetation	
Tangutu Stream	private	links significant vegetation to restoration area	riparian
Tangutu Catchment	private	reduces bush edge of significant and outstanding vegetation	
Waikaukau Stream	private	extends significant vegetation	riparian
Poturi Headwaters	private	joins significant vegetation	riparian
Avondale Stream	private	linkages	riparian
Avondale Stream	golf course	links outstanding vegetation	riparian
Avondale Stream	private	links outstanding and significant vegetation over a road	riparian
Motu Moana camp	park	links significant and outstanding vegetation	
Avondale Stream	golf course	reduces bush edge of outstanding vegetation	riparian
Motu Moana camp	park	restoration area and outstanding vegetation	coastal
Motu Moana camp	park	significant vegetation and restoration area	
Avondale Stream	private	extends outstanding vegetation	riparian
Avondale Stream	golf course	extends outstanding vegetation	riparian
Avondale Stream	park/private	extends significant vegetation	riparian
Avondale Stream-Olympic park	WCC	buffers restoration area	riparian
Avondale Headwaters	private	links significant vegetation	riparian
Woodlands Catchment	park	extends significant vegetation	riparian
Woodlands Catchment	private	reduces bush edge of significant vegetation	riparian
Waituna Stream	private/park	reduces bush edge of significant vegetation	riparian
Waituna Stream	esplanade	extends significant vegetation	riparian
Waituna Stream	park	extends significant vegetation	riparian
South Titrangi Road	private	reduces bush edge of significant vegetation	

RESTORATION AREAS

RESTORATION AREA.	KEY CANOPY SPECIES	KEY MID TIER AND GROUND SPECIES	DESCRIPTION
Kauri Point Road	wattle, kanuka	mapou, manuka, hangehange, pigeonwood, flax, treeferns	low lying coastal vegetation, some weeds at edges
Herald Island	Pine, wattle, Eucalyptus, pohutakawa	kanuka, flax, mapou, hangehange, taraire, lemonwood, pohutakawa, heketara, gahnias	important coastal stabilising vegetation, some weeds-eleagnus, tobacco weed, gorse, agapanthus

RESTORATION AREAS

RESTORATION AREA.	KEY CANOPY SPECIES	KEY MID TIER AND GROUND SPECIES	DESCRIPTION
Kauri Point Road	pine, wattle, Hakea, Kanuka	treefern, cabbage tree, flax, mapou, lancewood, cabbage trees, nikau, karaka	strong native regeneration, weeds mainly at edges
Waiorohia Inlet/Stream	Pine, wattle, eucalyptus	cabbage tree, mapou, karamu, flax	chinese privet common
Hobsonville Airbase, Riparian Vegetation (Nimrod Inlet)	Kanuka, eucalyptus, wattle	treefern, karamu, cabbage trees, mapou	gorse and chinese privet main weeds, thrush, fantails and quail common
Motorway (near junction with Hobsonville Road) Manutewhau Headwaters	pine, wattle, macrocarpa	treefern, manuka, mahoe, hangehange, cabbage tree, mapou, gahnia, ground ferns	ducks common streamside vegetation, chinese privet, ginger, willow
between Motorway and Oriel road (Manutewhau and tributary)	pine, eucalyptus, mamaku	kanuka, treeferns, mahoe, lancewood, totara, karaka, pohutakawa, mapou, mingimingi, wineberry	waxeyes, fantails and thrushes common, weedy with chinese privet, german ivy, bamboo, watsonia, riparian vegetation
Totara Stream	Pine, cypress fir, eucalyptus	treefern, karo, flax, mahoe, fivefinger, mingimingi, hebe	rosella, fantails and blackbirds common, pine litter thick throughout, very deep gully
Cornwallis	pine, tree fern	flax, rangiora, karamu, mahoe, kawakawa, native broom, kanuka, nikau	great fern diversity, pine litter dense throughout, some weeds
between Colwill Road and Benchmark Ave (Kopupaka headwaters)	pine, wattle	mapou, treefern, flax, cabbage tree, mingimingi, pale, heketara, pohutakawa	dragonflies and numerous birds common, heavily weed impacted area
Kintara Drive (Kopupaka Stream)	pine, wattle	treefern, mapou, karamu, heketara, kanuka, mahoe	native regeneration predominant, excellent example of mahoe
Claverdon Drive (Kopupaka Stream)	pine, wattle	Kanuka, gorse, mapou, hangehange, pampas, mapou, wattle	open vegetation with dense pine litter
Spargo Reserve (Kopupaka Inlet)	pine	kanuka, treefern, mingimingi, hangehange, mapou, heketara, flax, kowhai, puriri, hinu	some weeds with loquat, eleagnus, pampas. Many birds in area
Tihema headwaters (Motorway)	wattle, pine, Kanuka	kanuka, karo, mapou, treefern, Coprosma robusta	weedy with pine, acmena, ginger, jasmine, chinese privet, eleagnus indigenous character on roadside though
Cyclorama Road (Rarawaru Stream)	wattle, pine, eucalyptus	treefern, kanuka, cabbage tree mapou, wineberry, bush lawyer, karo, flax, heketara	very deep gully, pine litter throughout, some weeds
Kemp Road (Rarawaru Stream)	pine, wattle	treefern, kanuka, cabbage tree mapou, karamu	edges heavily impacted with weeds, particularly chinese privet, climbing asparagus and ginger
Reynella Drive (Rarawaru Stream)	pine, wattle, kanuka	Manuka, treefern, hangehange, cabbage trees, flax, bamboo	fragmented area with persistent weeds, many birds in area
Reynella Drive (Rarawaru Stream)	pine, wattle, kanuka, bamboo, mamaku	bracken, manuka, treefern, karamu, mapou, heketara, mingimingi, mahoe, flax, chinese privet	blackbirds and fantails common, heavily impacted by chinese privet and bamboo along stream edge, interior forest intact with excellent restoration potential
Tirimoana Reserve (off tributary of Wairau Creek)	rimu, pine, totara, wattle, eucalyptus	wooly nightshade, wattle, treefern, convolvulus, bracken, cabbage tree, wineberry	tui and thrush common, chinese privet and japanese honeysuckle invading, mature canopy natives give area special character despite weedy understory
Tirimoana Rd (off tributary of Wairau Creek)	wattle, pine, eucalyptus, kanuka	treefern, mapou, hangehange	tui, blackbird, and fantail common, ginger and tradescantia abundant as is japanese honeysuckle
Kelwyn Road	pohutakawa, pine, wattle, kanuka	karamu, heketara, treeferns, totara, flax, karo, puriri	remnant coastal vegetation
Candia Rd by Seibel Rd	wattle, pine	manuka, pampas, mingimingi, kumerhou, puka, kanuka, mapou, cabbage trees, kohuhu, native grasses	extinct canopy with strong native regeneration. The road edges are weedy but quality is good on the interior. Many birds in the area with fantail, waxeye and blackbirds common

RESTORATION AREAS

RESTORATION AREA.	KEY CANOPY SPECIES	KEY MID TIER AND GROUND SPECIES	DESCRIPTION
McLeod Road/Divich Ave	pine, wattle, acmena, treefern	mapou, cabbage trees, treeferns, kanuka, hangehange, kumerahou, pohutakawa	coastal buffer of mangrove wetland, heavily impacted by weeds
Paremuka Headwaters	wattle, pine, eucalyptus	treeferns, kanuka, hangehange, cabbage trees, flax, totara, gahnia, lancewood	fantail, waxeyes, ducks, moreporks, blackbirds common. Good native regeneration but wattle common throughout
Coulter Rd	wattle, macrocarpa, pine	kanuka, bracken, treefern, mapou, mahoe, ground ferns	higher native component in inner area, weedy edges
Coulter Rd	eucalyptus, macrocarpa, karaka, wattle, rimu	treefern, mapou, karamu, cabbage tree, ground ferns	high native component, good regeneration, chinese privet main weed problem
Perris Rd	wattle, pine, kanuka	treefern mapou, cabbage trees, kanuka, hangehange, ground ferns, gahnias, white rata	pukeko, sparrow, fantail, myna, blackbird, waxeyes, thrush common, excellent regeneration
Diana Place/Paremuka Stream	eucalyptus, wattle	mapou, rangiora, kanuka, flax, hangehange, wattle, gorse, treeferns	A patch of gully vegetation beside the stream with native and wattle regeneration. Pukeko, fantails and waxeyes common
Henderson Valley Road	wattle, pine, crack willow, treefern	treefern, flax, kumerahou, hangehange, mapou, mahoe, lancewood, mingimingi, kiekie, totara, groundferns	Strong native component despite weed invasion (chinese privet, tobacco weed). Rosella, pukeko, fantail, tui, thrush, quail, myna and waxeye common
Forest Hill Road	wattle, pine	Kanuka, treefern, hangehange, mapou, mahoe	many birds, good native component
Carter Road	pine, eucalyptus, wattle, kauri	Manuka, kanuka, karamu, treefern, pigeonwood, nikau, tanekaha carexes, ground ferns	Good regeneration of natives with gorse, blackberry, monkey apple and ginger present but mainly at edges. Tui, fantail, thrush and swallows common
Holdens Rd/Pine Ave	wattle, pine, kanuka	Kanuka, treefern, cabbage trees, kumerahou, mapou, flax, mingimingi, fivefinger	high native species diversity with blackbirds, pukeko and fantail common. The main area of vegetation is fenced off, although the margins are weedy with woolly nightshade, pampas, privet and gorse
Holdens Road	willow, kauri, kahikatea, kowhai	Kanuka, treefern, mahoe, titoli, mapou, totara, nikau kanono, lycopodium and blechnum ferns	A good patch of native vegetation but the ground tier is dominated by three cornered garlic and wandering willie, ginger also a problem. Ferns, karaka and mahoe are main regenerating species
Shaw Road	pine	cabbage trees, mapou, hangehange, mahoe, bracken and treeferns	Regeneration of only hardy native species. Some areas heavily weed invaded with Eleagnus and german ivy. Fantail, rosella and sparrows common