

5. Summary and Conclusions

Protected natural areas in the Maungataniwha Ecological District are summarised in Table 1 (page 356). Note that in all but two cases, the sites are all larger than the area protected.

A list of ecological units recorded in the Maungataniwha Ecological District and their current protection status is set out in Table 2 (page 357) and a summary of the site evaluations is given in Table 3 (page 375).

5.1 PRIORITY NATURAL AREAS FOR PROTECTION IN THIS ECOLOGICAL DISTRICT

1. Habitat types and landforms which are nationally uncommon or greatly reduced from their former extent

These include:

(a) Freshwater wetlands, in particular mineralised swamps

The highest priority wetland areas include the Otianga Wetland and Riparian Forest, Paranui Stream Swamp, the Pipiwai Stream Swamp, Blue Gorge Swamp and the Otaha-Ohiritoa complex.

(b) Remnant areas of swamp forest

Rare remnant areas of swamp forest and cabbage tree are priorities for both protection and restoration. Such sites include the Church Rd Swamp Forest, Hobson Rd, Mangatete Stream, and Te Rore Wetland.

(c) Coastal wetlands

The priority coastal wetlands are the Taipa River and wetlands associated with the Oruaiti River, including Oruru.

(d) Gumland

Podzol gumfields, represented by Pairatahi Rd.

(e) Coastal habitats

Coastal sites in this District are all modified and warrant enhancement as well as protection. These areas include Otengi Bay, Otanguru Cliffs, Te Kuihi, Taumarumarū, Coopers Beach and Butler Point.

(f) Podocarp forests

Podocarp forest types remaining in this Ecological District are confined to small pockets either as separate remnants or within larger areas of broadleaf-podocarp forest, and are scattered through many sites across the District. All sites are important (see Table 2) but ones which stand out include Te Ahoponga (the only

example of rimu forest), Honeymoon Valley Road End (rimu-totara), Te Puhi, the kahikatea remnants within Sporle/Renwick, Te Ripanga Stream, and Whakateterekia Stream, Otaha-Ohiritoa and Te Roto Stream (totara), Tuanaki (kahikatea-totara), and Braithwaite's Bush (tanekaha).

(g) Kauri forests

Unprotected sites for kauri include Olsen, Te Ranga, Te Rahui, Tuataranui Stream and Pukehinau.

(h) Riparian forest and shrubland

The best examples of riparian vegetation occurs at Mangatete Stream (including Champion Rd), Toatoa Stream and Waikawa Stream.

2. Habitats which are under-represented within protected areas in the Ecological District

Very little shrubland habitat is contained within the existing protected areas despite such areas being ecologically important to provide for successional processes, as well as for any flora or faunal values these areas may hold. Many of the shrubland areas in this Ecological District are habitat for the threatened NI brown kiwi.

The most important shrubland sites in this Ecological District are large areas which are contiguous with other sites or on the margins of protected areas, e.g. Maungataniwha, Ratakamaru, Te Karoa, Omahuta Outlier, Te Ranga, and Oruru.

Others are significant because of their kiwi populations, e.g. Puhoi Reserve and associated Honeymoon Valley sites, Wells Rd South/Higginson-Khaine, and Diggers Valley.

Shrubland sites important for representative values (on alluvium or limestone) include Parapara and Takakuri Stream, Wells Rd South, and Oturia.

Sites important for their species associations include Schluter/Vinac, Opurehu River, Hobson Rd, Koturetawhenua Stream, Kearney, and Matawherohia Bush.

3. Habitats on substrates uncommon in the Ecological District

(a) Coastal sands, solely represented by Taipa Straight.

(b) Podsolised sands represented by Pairatahi Rd.

(c) Limestone which occurs in two parts of the District; one area is around Mangamuka including Tutekehua Bush, Oturia Bush, Oturia Wahi Tapu Bush, Popo Stream Bush, Mangataipa Scenic Reserve, and part of the Mangamuka-Mangataipa Mosaic. The second area occurs at Pamapurua and includes Pamapurua Remnants, Thompson Rd Forest #1, Switzer Rd, Mangatoetoe Rd, Panther Rd, Wells Rd South and Te Puhi.

4. Contiguity of large habitats

Retention of the contiguity of large habitats, for species dispersal and particularly to retain habitat for, and maintain the range of NI brown kiwi.

Such areas include Maungataniwha and all sites contiguous with it (Mangamuka-Mangataipa [including Rotokoma Stream Bush, Oturia Bush], Te Karoa, Shepherd Rd, Honeymoon Valley sites, Kohumaru, Oruru, Pukehinau and Paraonui); sites contiguous with Puketi-Omahuta (Te Ranga, Ratakamaru) and a suite of smaller habitats south and east of Kaitaia in the Oturu, Church Rd, Toatoa (Te Moho Stream,

Kaurinui, Hikurangi), Fairburn (Duncan, Fisher & Riley Rds), Peria and Diggers Valley areas.

5. Distinctive plant species associations or uncommon ecological units
These occur at Orawau, Turangahou Trig, Oturia Bush, Otepo, Foley (kawaka regeneration), Tangikoko Stream (swamp maire), Te Karoa (rewarewa dominance), Te Ranga (kauri-northern rata-tanekaha-toatoa), Oruru (rewarewa and cabbage tree dominance), Matawherohia Bush (taraire-tawa), Maungataniwha (towai-taraire-tawa), Dawson Rd, and Higginson/Khaine (kohekohe dominance).

6. Sites for NZ pigeon

Retention of sites important for retaining populations of NZ pigeon.

As discussed earlier in this report, there are a number of small broadleaf-podocarp remnants throughout the Ecological District, which in their present state of management (without fencing and pest control) will not be viable in the long term, but are nevertheless collectively significant in the short term to NZ pigeon populations. Examples of these areas occur in the Clough/Snelgar/Duncan Rds area. Other small remnants, particularly those in the Te Rore/Pamapurua area are also likely to be fulfilling a similar function, but there is insufficient information available at present to confirm the importance of these particular sites.

TABLE 1. PROTECTED NATURAL AREAS NETWORK IN THE MAUNGATANIWHA ECOLOGICAL DISTRICT.

Key: CC = Conservation Covenant; CP = Conservation Park; HR = Historic Reserve; MS = Marginal Strip; NWR = Nga Whenua Rahui; QEII = Queen Elizabeth II National Trust covenant; RR = Recreation Reserve; SL = Stewardship Land; SR = Scenic Reserve; CN = Covenant. (Area given in ha.)

| SITE | NO. | STATUS | | | | | | | TOTAL PROT. AREA | TOTAL SITE AREA |
|---|---------|--------|--------|------|-------|-------|---------|--------|------------------|-----------------|
| | | CC | CP | NWR | QEII | SL | SR | OTHER | | |
| Diggers Valley Bush | O05/002 | | | | | | | 49.63 | 49.63 | 124.7 |
| Sporle/Renwick | O05/003 | | | | 13 | | | | 13 | 26.9 |
| Maungataniwha Forest | O05/009 | | 4453.8 | | | | | 3339.8 | 7793.6 | 13884 |
| Mangataipa SR | O05/139 | | | | | | | 75.7 | 75.7 | 104.6 |
| Waikawa Bush | O04/002 | | | | 40 | | | | 40 | 73.6 |
| Church Rd Remnants | O04/024 | | | | 1.8 | | | | 1.8 | 21 |
| Puriri Block Rd | O04/038 | | | | | | | 58 | 58 | 191.6 |
| Whiwhero Stream | O04/043 | | | | | | | | | |
| Riley Rd | O04/046 | | | | | | | | | |
| Champion Rd | O04/068 | | | | | | | | | |
| Pekerau Bush | O04/065 | | | | 16.83 | | | | 16.83 | 19.7 |
| Dawson Rd | O04/081 | | | 16.5 | 34.3 | | | | 50.8 | 76 |
| Paranui SR | O04/095 | | | | | | | 364.9 | 1.3 MS | 366.2 |
| Paranui Stm Bush and Shrubland | O04/103 | | | | 7.81 | | | | 7.81 | 254.6 |
| Paranui Stream Swamp | O04/106 | | | | | 13.4 | | | 13.4 | 106.1 |
| Puhoi Reserve | O04/126 | | | | 240 | | | | 240 | 240 |
| Shepherd Rd | O04/138 | | | | 74 | | | | 74 | 211.3 |
| Te Karoa | O04/144 | | | | 93.5 | 550 | 166.7 | | 810.2 | 1311.9 |
| Te Ranga | O04/156 | | 195 | | | | 410 | | 605 | 1570 |
| Paraonui | O04/161 | | | | 29.4 | 4 | | | 33.4 | 1062 |
| Kohumaru Station | O04/174 | | | | | | 89.6 | | 89.6 | 173.5 |
| Kohumaru | O04/176 | | | | 4.86 | 230 | | | 234.86 | 907.6 |
| Oruru | O04/186 | | | | | 18.7 | 56 | | 74.7 | 1107.7 |
| Backriver Rd | O04/195 | 39.9 | | | | | | | 39.9 | 61.4 |
| Garton Block | O04/196 | | | | | | 72.9 | | 72.9 | 115.8 |
| Taumarumaru | O04/203 | | | | | | | 7.9 RR | 7.9 | 7.9 |
| Coopers Beach | O04/204 | | | | | | | CN* | | 9.7 |
| Rangikapiti | O04/205 | | | | | | | 34 HR | 34 | 31.6 |
| Butler Point | O04/207 | | | | | 0.4 | | | 0.4 | 12.8 |
| TOTAL | | 39.9 | 4648.8 | 16.5 | 555.5 | 906.1 | 4593.63 | 43.2 | 10803.63 | 22166.4 |
| * Pohutukawa trees located on what was formerly the Coopers Beach camping ground are protected by covenant under the Resource Management Act. | | | | | | | | | | |

TABLE 2. ECOLOGICAL UNITS RECORDED IN THE MAUNGATANIWHA ECOLOGICAL DISTRICT AND PROTECTED NATURAL AREA STATUS.

Key: CC = Conservation Covenant; CP = Conservation Park; HR = Historic Reserve; MS = Marginal Strip; NWR = Nga Whenua Rahui; SL = Stewardship Land; SR = Scenic Reserve; QEII = Queen Elizabeth II National Trust covenant; UP = Unprotected; -2 = Level 2 site.

| VEGETATION TYPE | SITE NO. | NAME | STATUS | GEOLOGY ¹ | REP. SITE |
|-----------------|--------------|-------------------------|--|--|-----------|
| FOREST | | | | | |
| Taraire | 005/002 | Diggers Valley Bush | Pt SR | Mangakahia Complex sandstone | |
| | | | Pt SR | alluvium | Yes |
| | 005/009 | Maungataniwha | CP, SR | Tangihua Cplx | Yes |
| | 005/017 | Werawhakamau Stm | UP | Mang. Cplx mudstone | |
| | 005/132 | Ratakamaru | UP | Motatau calc. mud/lime /Mang. Cplx mud | Yes |
| | 005/133 | Opurehu River | UP | Mang. Cplx silic. mud | |
| | 004/006 | Otepo | UP | Mot. calc. mud | |
| | 004/012 | Braithwaite's Bush | UP | Mang. Cplx sand | |
| | 004/020 | Matthews Mission | SR | Mang. Cplx mud | Yes |
| | 004/021 | Clough Rd | UP | Mot. Cplx calc. mud | |
| | 004/022 | Snelgar Rd | UP | Mot. calc. mud & sand | |
| | 004/023 | Cowell | UP | Mot. calc. m & s | |
| | 004/024 | Church Rd Rmnts | Pt QEII | Mot. calc. m & s | |
| | 004/027 | Oturu | UP | Mot. calc. m & s | |
| | 004/033 | Te Mairepaopao | UP | Mot. calc. m & s | |
| | 004/035 | Dykin Rd Bush | UP | Mot. calc. m & s | |
| | 004/038 | Puriri Block Rd | Pt SR | Mot. calc. m & s | Yes |
| | 004/039 | Church Rd East | UP | Mot. calc. m & s | |
| | 004/043 | Whiwhero Stream | Pt SR | Mot. calc. m & s | Yes |
| | 004/046 | Riley Rd | UP | Mot. calc. m & s | |
| | 004/047A | Airstrip Riley Rd | UP | Mot. calc. m & s | |
| | 004/047B | Fisher Rd | UP | Mot. calc. m & s | |
| | 004/048 | Otaha-Ohiritoa | UP | Mot. calc. m & s | Yes |
| | 004/054 | Te Puihi Swamp#1 & Bush | UP | Mot. calc. m & s/alluvium | |
| | 004/057 | Foley | UP | Mot. calc. m & s | |
| | 004/058 | Pamapurua Rmnts | UP | Mot. lime | |
| | 004/058B | Thompson Rd #1 | UP | Mot. Cplx. lime | Yes |
| | 004/060 | Switzer Rd | UP | Mot. Cplx. lime | Yes |
| | 004/063 | Victoria Valley Rd | UP | Mang. sand | |
| | 004/066 | Te Pewa | UP | Mot. calc. m & s | |
| | 004/068 | Champion Rd | UP | Mot. calc. m & s | |
| | 004/069 | Taumata Bush | UP | Mot. calc. m & s | |
| | 004/070 | Metcalfe Rd | UP | Mot. calc. s & m | |
| | 004/071 | Kaiherehere Str. | UP | Mot. calc. m & s | |
| | 004/073 | Kaiaka | UP | Mot. calc. m & s | |
| | 004/079 | Kopuokai | UP | Mot. calc. m & s | |
| | 004/081 | Dawson Rd | QEII | Mot. calc. m & s | Yes |
| | 004/082 | Koturetawhenua Str. | UP | Mot. calc. m & s/ alluvium | Yes |
| | 004/084 | Te Ahoponga | UP | Mot. calc. m & s | Yes |
| | 004/086 | Tuanaki | UP | Mot. calc. m & s | |
| 004/088 | Kaurinui | UP | Mot. calc. m & s | Yes | |
| 004/090 | Hikurangi | UP | Mot. calc. m & s | | |
| 004/094 | Kearney | UP | Mot. calc. m & s | | |
| 004/095 | Paranui SR | SR | Mot. calc. m & s | Yes | |
| 004/097 | Olsen | UP | Mot. calc. m & s/Mang. sand/silic. mud | Yes | |
| 004/099 | Burma Rd | UP | Mang. sand/silic. mud | | |
| 004/108 | Fairburn 199 | UP | Mot. calc. m & s | | |
| VEGETATION | SITE | NAME | STATUS | GEOLOGY | REP. |

¹ Evaluation of representativeness included consideration of geological data. For full information on geology see the individual site descriptions.

| TYPE | NO. | | | | SITE |
|--------------------|-------------|----------------------|----------|---|--------------|
| FOREST | | | | | |
| Taraire | O04/110 | Wells Rd Sth | UP | Mot. lime | Yes |
| | O04/111 | Higginson/Khaine | UP | Mot. calc. m & s | |
| | O04/112 | Kitchen | UP | Mot. calc. m & s | |
| | O04/128 | Honeymoon Vly Rd End | UP | Tangihua | |
| | O04/130 | Honeymoon Vly Cul. | UP | Tangihua | |
| | O04/131 | Chadwick 274 | UP | Tang./Mang. silic. mud (valley) | |
| | O04/138 | Shepherd Rd | Pt QEII | Tangihua | Yes |
| | O04/140 | Otangaroa | UP | Mang. sand/silic. mud | |
| | O04/144 | Te Karoa | SR, QEII | Tangihua | Yes |
| | O04/146 | Lacolmville | UP | Tangihua | |
| | O04/150 | Linssen | UP | Mang silic. mud (west); Mot. calc. mud | |
| | O04/156 | Te Ranga | UP | Mang. sand/silic. mud (east); Mot. calc. m & s (west). | |
| | O04/159 | Pukehinau | UP | Tangihua | |
| | O04/161 | Paroanui | UP | Tangihua | |
| | O04/174 | Kohumaru Station | UP | Tangihua | |
| | O04/176 | Kohumaru | SL | Tangihua | Yes |
| | O04/186 | Oruru | UP | Tangihua | |
| | O04/195 | Backriver Rd | CC | Tangihua | Yes |
| | P04/020 | Hayes Brothers' Farm | UP | Mang. sand/mud | |
| | P04/023 | Whakateterekia Stm | UP | Mang. mud | |
| | P04/024 | Te Rahui | UP | Mang. silic. mud | |
| | P04/032 | Maungaememie | UP | Tangihua capped with Keri. volc./alluv. basalt | Yes |
| | P04/037A | Omaunu Rd | UP | Tang./Mang. sand, w strm margin | |
| | O04/014-2 | Te Rore Remnants | UP | Tangihua | |
| | O05/064-2 | Broadwood Rd | UP | Tangihua | |
| | O04/004-2 | Fryer-Munn Rds | UP | Mot. calc. mud | |
| | O04/007-2 | Sunnynook | UP | Mot. calc. mud | |
| | O04/011-2 | Te Rore Stream | UP | Mang. sand | |
| | O04/015-2 | Victoria Vly Rmnts | UP | Tangihua | |
| | O04/016-2 | Empire St | UP | Mang. sand | |
| | O04/017-2 | Kaitaia Recycle | UP | Mang. mud | |
| | O04/053-2 | Elstob | UP | Mot. calc. m & s | |
| | O04/096-2 | Taylor (Blue Gorge) | UP | Mot. calc. m & s | |
| | O04-118-2 | Lloyd | UP | Mang. sand/silic. mud | |
| | O04-135-2 | Puhangatohoraka | UP | Tangihua | |
| | O04/136-2 | Te Awapuka Stm | UP | Tangihua | |
| | O04/151-2 | Airstrip Rd Rmnt | UP | Mang sand | |
| | O04/154-2 | Wainui River | UP | | |
| | O04/180-2 | Kohumaru Summit | UP | Tangihua | |
| | O04/189A-2 | Saleyards 236 | UP | Tangihua | |
| | P04/021-2 | Kaingapipiwai | UP | Mang. sand | |
| | P04/021A-2 | Popoti Stream | UP | Mang. sand & mud | Yes |
| | P04/027-2 | Marapiu-Patunga | UP | Mang. mud | |
| Taraire-towai | O05/002 | Diggers Valley Bush | UP | Mang. Cplx sand | |
| | O05/003 | Sporle/Renwick | QEII | Mang. Cplx sand | Yes |
| | O05/008 | Okakewai Rd | UP | Tangihua | |
| | O05/009 | Maungataniwha | CP,SR | Tangihua | Yes |
| | O05/017 | Werawahakamau Stm | UP | Mang. Cplx mud | |
| | O05/132 | Ratakamaru | UP | Mot. calc. mud/lime/Mang. mud | Yes |
| | O04/045 | Riley Rd East | UP | Mot. calc. m & s | |
| VEGETATION TYPE | SITE NO. | NAME | STATUS | GEOLOGY | REP. SITE |

| <u>FOREST</u> | | | | | | |
|-----------------------|---------------|----------------------|-----------------|--|---------------------------|-----|
| VEGETATION TYPE | SITE NO. | NAME | STATUS | GEOLOGY | REP. SITE | |
| Taraire-towai | O04/061 | Mangatoetoe Rd | UP | Mot. lime/calc. m & s | | |
| | O04/071 | Kaiherehere Str. | UP | Mot. calc. m & s | | |
| | O04/073 | Kaiaka | UP | Mot. calc. m & s | | |
| | O04/079 | Kopuokai | UP | Mot. calc. m & s | | |
| | O04/086 | Tuanaki | UP | Mot. calc. m & s | | |
| | O04/111 | Higginson/Khaine | UP | Mot. calc. m & s | Yes | |
| | O04/114 | Tracey/Edwards Rds | UP | Mang. sand/alluv. | | |
| | O04/126 | Puhoi Reserve | QEII | Tangihua | Yes | |
| | O04/128 | Honeymoon Vly Rd End | UP | Tangihua | | |
| | O04/131 | Chadwick 274 | UP | Tang/Mang. siicl. mud (valley) | | |
| | O04/132 | Peria River | UP | Tang (sth)/Mang. sand & silic. mud (nth) | | |
| | O04/144 | Te Karoa | Pt SR | Tangihua | Yes | |
| | O04/156 | Te Ranga | Pt SL, Pt SR | Mang. sand/silic. mud (east); Mot. calc. m & s (west). | Yes | |
| | O04/159 | Pukehinau | UP | Tangihua | | |
| | O04/161 | Paroanui | UP | Tangihua | | |
| | O04/174 | Kohumaru Station | SL | Tangihua | | |
| | O04/176 | Kohumaru | SL | Tangihua | | |
| | O04/186 | Oruru | UP | Tangihua | | |
| | O04/196 | Garton Block | SR | Tangihua (upslope)/Mang. sand | Yes | |
| | P04/037 | Matawherohia Bush | UP | Tangihua (SW Haunga)/Mang. sand (Waihuka)/ Wairakau volc. Te Painga | Yes | |
| | O04/119-2 | Blue Gorge | UP | Mot. calc. m & s | | |
| | O04/124-2 | Peria Vly Rd | UP | Mang. sand/silic. mud | | |
| | O04/137-2 | Whatakau Stream | UP | Tangihua | | |
| | O04/148-2 | Otamatai Stm | UP | Mang. sand | | |
| | P04/021-2 | Kaingapipiwai | UP | Mang. sand | | |
| | Taraire-nikau | O05/009 | Maungataniwha | CP | Tangihua | Yes |
| | | O05/129 | Turangahou Trig | UP | Motatau glauc. sand/talus | Yes |
| Taraire-kanuka | O04/086 | Tuanaki | UP | Mot. calc. m & s | | |
| | O04/088 | Kaurinui | UP | Mot. calc. m & s | Yes | |
| | O04/099 | Burma Rd | UP | Mang. sand/silic. mud | Yes | |
| | O04/100 | Mills | UP | Mang. sand | | |
| | O04/161 | Paroanui | QEII | Tangihua | Yes | |
| | O04/186 | Oruru | UP | Tangihua | | |
| | O04/193 | Baker | UP | Tangihua | | |
| Taraire-kanuka-puriri | O04/195 | Backriver Rd | SL | Tangihua | Yes | |
| Towai-kanuka-puriri | O04/161 | Paroanui | UP | Tangihua | Yes | |
| Kanuka-puriri | O04/186 | Oruru | UP | Tangihua | Yes | |
| | O04/102-2 | Taylor Rd | UP | Mot. calc. mud | | |
| Towai | O05/009 | Maungataniwha | SR | Tangihua | Yes | |
| | O05/140 | Mangamuka-Mangataipa | UP | Mang. silic. m & s (NE)/Mot. lime glauc. sand/calc. mud | Yes | |
| | O04/027 | Oturu | UP | Mot. calc. m & s | | |
| | O04/156 | Te Ranga | Pt SL | Mang. sand/silic. mud (east); Mot. calc. m & s (west)/Keri. volcanics | Yes | |
| | O04/159 | Pukehinau | UP | Tangihua | | |
| | O04/161 | Paroanui | UP | Tangihua | | |
| | O04/175-2 | Maungahotoa | UP | Tangihua | | |
| <u>FOREST</u> | | | | | | |
| Towai (Secondary) | O05/009 | Maungataniwha | UP | Tangihua | Yes | |
| | O05/065 | Orawau | UP | Tangihua | | |
| | O04/129 | S E. Honeymoon Vly | UP | Tangihua | | |

| | O04/132 | Peria River | UP | Tang. (sth)/Mang. sand & silic. mud (nth) | |
|-------------------------|-----------------|--------------------|------------------|--|-----------|
| | O04/144 | Te Karoa | UP | Tangihua | |
| | O04/156 | Te Ranga | Pt SR | Mang. sand/silic. mud (east); Mot. calc. m & s (west) | Yes |
| Towai-taraire-kanuka | O04/122 | Tuataranui Stm | UP | Mang. sand & mud | Yes |
| Towai-taraire-tawa | O05/009 | Maungataniwha | UP | Tangihua | Yes |
| Towai-tawa | O05/009 | Maungataniwha | SR | Tangihua | Yes |
| Taraire-tawa | P04/037 | Matawherohia Bush | UP | Tangihua (SW Haunga)/Mang. sand (Waihuka) /Wairakau volc. Te Painga | |
| Puriri-taraire | O05/004 | Waikawa Stream | UP | alluvium | Yes |
| | O05/009 | Maungataniwha | CP | Tangihua | Yes |
| | O04/020 | Matthews Mission | SR | Mang. mud | Yes |
| | O04/022 | Snelgar Rd | UP | Mot. calc. m & s | |
| | O04/023 | Cowell | UP | Mot. calc. m & s | |
| | O04/024 | Church Rd Rmnts | Pt QEII | Mot. calc. m & s | |
| | O04/027 | Oturu | UP | Mot. calc. m & s | |
| | O04/035 | Dykin Rd Bush | UP | Mot. calc. m & s | |
| | O04/046 | Riley Rd | SR | Mot. calc. m & s | Yes |
| | O04/048 | Otaha-Ohiritoa | UP | Mot. calc. m & s | |
| | O04/058 | Pamapurua Rmnts | UP | Mot. lime | Yes |
| | O04/058B | Thompson Rd #1 | UP | Mot. Cplx. lime | |
| | O04/061 | Mangatoetoe Rd | UP | Mot. lime/calc. m & s | Yes |
| | O04/063 | Victoria Valley Rd | UP | Mang. sand/Tang. | |
| | O04/064 | Schluter/Vinac | UP | Mot. calc. m & s | |
| | O04/065 | Pekerau | QEII | Mot. calc. m & s | |
| | O04/070 | Metcalfe Rd | UP | Mot. calc. s & m | |
| | O04/088 | Kaurinui | UP | Mot. calc. m & s | |
| | O04/095 | Paranui SR | SR | Mot. calc. m & s | Yes |
| | O04/129 | SE Honeymoon Vly | UP | Tangihua | |
| | O04/138 | Shepherd Rd | UP | Tangihua | |
| | O04/161 | Paroanui | UP | Tangihua | |
| | O04/168 | Ngaraumaunu Strm | UP | Tangihua | |
| | O04/186 | Oruru | UP | Tangihua | |
| | O04/195 | Backriver Rd | CC | Tangihua | |
| | O05/005-2 | Manoao Stream | UP | Mang. sand. | |
| | O05/006-2 | Cemetery Rd | UP | Mang. sand | |
| | O04/003-2 | Munn Rd | UP | Mang. sand | |
| | O04/007-2 | Sunnynook | UP | Mot. calc. mud | |
| | O04/009-2 | Ruaroa Rd | UP | Mot. calc. mud/alluv. | |
| | O04/011-2 | Te Rore Stream | UP | Mang. sand | |
| | O04/014-2 | Te Rore Remnants | UP | Tangihua | |
| | O04/019-2 | Lower Church Rd | UP | Mang. sand | |
| O04/026-2 | Quarry/Oturu Rd | UP | Mot. calc. mud | | |
| O04/067-2 | Four Crossroads | UP | Mot. calc. m & s | | |
| O04/137-2 | Whatakau Stream | UP | Tangihua | | |
| O04/153-2 | Otangaroa 177 | UP | Tangihua | | |
| VEGETATION TYPE | SITE NO. | NAME | STATUS | GEOLOGY | REP. SITE |
| <u>FOREST</u> | | | | | |
| Puriri-taraire-kohekohe | O04/081 | Dawson Rd | UP | Mot. calc. m & s | Yes |
| Puriri-kohekohe | O04/081 | Dawson Rd | UP | Mot. calc. m & s | Yes |
| Kohekohe | O04/111 | Higginson/Khaine | UP | Mot. calc. m & s | Yes |
| Puriri-kowhai | O05/134 | Oturia | UP | Mot. lime/Mang. Cplx sand (sth) | Yes |
| Puriri | O05/065 | Orawau | UP | Tangihua | Yes |

| | | | | | |
|------------------------------|-----------|--------------------|--------|---|-----------|
| | O04/022 | Snelgar Rd | UP | Mot. calc. m & s | Yes |
| | O04/023 | Cowell | UP | Mot. calc. m & s | |
| | O04/024 | Church Rd Rmnts | UP | Mot. calc. m & s | |
| | O04/025 | Waipokapoka Strm | UP | Mot. calc mud | |
| | O04/027 | Oturu | UP | Mot. calc. m & s | |
| | O04/035 | Dykin Rd Bush | UP | Mot. calc. m & s | |
| | O04/043 | Whiwhero Stream | UP | Mot. calc. m & s/alluvium | Yes |
| | O04/066 | Te Pewa | UP | Mot. calc. m & s | |
| | O04/084 | Te Ahoponga | UP | Mot. calc. m & s | |
| | O04/088 | Kaurinui | UP | Mot. calc. m & s | |
| | O04/100 | Mills | UP | Mang sand | |
| | O04/132 | Peria River | UP | Tang (sth)/Mang. sand & silic. mud (nth) | |
| | O04/134 | Ahitahi | UP | Tangihua | Yes |
| | O04/198 | Taipa Straight | UP | Mang. sand/silic. mud/Holocene foredune | Yes |
| | O05/005-2 | Manoao Stream | UP | Mang. sand. | |
| | O04/004-2 | Fryer-Munn Rds | UP | Mot. calc. mud | |
| | O04/005-2 | Sturmfel Rd | UP | Mang. sand/silic. mud | |
| | O04/026-2 | Quarry/Oturu Rd | UP | Mot. calc. mud | |
| | O04/030-2 | Kareponia | UP | alluvium | |
| | O04/042-2 | Atkinson | UP | alluvium | |
| | O04/059-2 | Thompson Rd Rmts | UP | Mot. calc. mud | |
| | O04/067-2 | Four Crossroads | UP | Mot. calc. m & s | |
| (treeland) | O04/044 | Mangatete Stream | UP | alluvium | Yes |
| Puriri-karaka | O05/137 | Popo Stream | UP | Mot. lime/Mang. sand (sth) | Yes |
| Taraire-karaka | O05/129 | Turangahou Trig | UP | Mot. glauconitic sand/talus | Yes |
| Taraire-karaka-kowhai-titoki | O05/139 | Mangataipa SR | SR | Mot. lime/glauc. sand | Yes |
| Manuka-kanuka-kowhai | O05/139 | Mangataipa SR | SR | Mot. lime/glauc. sand | Yes |
| Kanuka | O05/003 | Sporle/Renwick | QEII | Mang. Cplx sand | |
| | O05/131 | Hobson Rd | UP | Mang. Cplx silic. & non-silic. mud | Yes |
| | O05/135 | Oturia Wahi Tapu | UP | Mot. Cplx lime | Yes |
| | O04/002 | Waikawa Bush | QEII | Mang. Cplx sand | Yes |
| | O04/013 | Te Ripanga Stream | UP | Mang. Cplx sand | |
| | O04/027 | Oturu | UP | Mot. calc. m & s | |
| | O04/031 | Pairatahi Rd | UP | Mot. calc. m & s/podsol. sand/consol. parabolic dunes | Yes |
| | O04/035 | Dykin Rd Bush | UP | Mot. calc. m & s | |
| | O04/045 | Riley Rd East | SR | Mot. calc. m & s/alluv. | |
| | O04/046 | Riley Rd | UP | Mot. calc. m & s | |
| | O04/057 | Foley | UP | Mot. calc. m & s | |
| | O04/063 | Victoria Valley Rd | UP | Mang. sand | |
| VEGETATION TYPE | SITE NO. | NAME | STATUS | GEOLOGY | REP. SITE |
| <u>FOREST</u> | | | | | |
| Kanuka | O04/069 | Taumata Bush | UP | Mot. calc. m & s | |
| | O04/086 | Tuanaki | UP | Mot. calc. m & s | |
| | O04/088 | Kaurinui | UP | Mot. calc. m & s | Yes |
| | O04/090 | Hikurangi | UP | Mot. calc. m & s | |
| | O04/095 | Paranui SR | Pt SR | Mot. calc. m & s | |
| | O04/097 | Olsen | UP | Mot. calc. m & s/Mang. sand/silic. mud | |
| | O04/099 | Burma Rd | UP | Mang. sand/silic. md | |
| | O04/123 | Tangikoko Stm | UP | Mang. silic. mud | |
| | O04/131 | Chadwick 274 | UP | Tang/Mang. silic. mud (valley) | |
| | O04/144 | Te Karoa | | Tangihua | |
| | O04/160 | Oruaiti Headwaters | UP | Tangihua | |

| | | | | | |
|---|-------------|--------------------------------------|--------|--|--------------|
| | O04/186 | Oruru | UP | Tangihua | Yes |
| | O04/196 | Garton Block | SR | Tangihua (upslope) /Mang. sand | |
| | O04/197 | Taipa River E Bank | UP | Mot. calc. m & s (coast)/Mang. sand/ silic mud (upper slope) | Yes |
| | P04/020 | Hayes Brothers' Farm | UP | Mang. sand/mud | |
| | P04/024 | Te Rahui | UP | Mang. silic mud | |
| | P04/026 | Pupuke-Mangapa | UP | Mang. sand/silic. mud | |
| | O04/015-2 | Victoria Valley Rmnts | UP | Mang. sand | |
| | O04/199-2 | Reid | UP | Tangihua | |
| Kanuka-manuka (treeland) | O04/089 | Toatoa Stream | UP | alluvium | Yes |
| | O05/138 | Otianga Wetland & Riparian Forest | UP | estuarine | Yes |
| | O04/156 | Te Ranga | Pt SR | Mang. sand/silic. mud (east); Mot. calc. m & s (west). | Yes |
| | O04/176 | Kohumaru | SL | Tangihua | Yes |
| | O04/011-2 | Te Rore Stream | UP | Mang. sand | |
| | P04/021A-2 | Popoti Stream | UP | Mang. sand & mud | |
| Kanuka-towai | O05/130 | Mangahoihere Strm Bush | UP | Mot. lime, glauc. sand & calc. mud/ Mang. silic. & non-silic. mud | Yes |
| | O04/079 | Kopuokai | UP | Mot. calc. m & s | |
| | O04/196 | Garton Block | SR | Tangihua (upslope) /Mang. sand | |
| | P04/024 | Te Rahui | UP | Mang. silic. mud | |
| | O05/064-2 | Broadwood Rd | UP | Tangihua | |
| Manuka-towai | O04/006 | Otepo | UP | Mot. calc. mud | |
| Kanuka-manuka- towai | O04/156 | Te Ranga | UP | Mang. sand/silic. mud (east); Mot. calc. m & s (west). | |
| | P04/037 | Matawherohia Bush | UP | Tangihua (SW Haunga)/Mang. sand (Waihuka) /Wairakau volc. Te Painga | Yes |
| Kanuka-taraire- rewarewa | O04/186 | Oruru | UP | Tangihua | Yes |
| Taraire-rewarewa | O04/180-2 | Kohumaru Summit | UP | Tangihua | |
| Towai-rewarewa | O04/144 | Te Karoa | UP | Tangihua | Yes |
| Kanuka-rewarewa | O04/186 | Oruru | UP | Tangihua | Yes |
| Rewarewa | O04/144 | Te Karoa | UP | Tangihua | Yes |
| Nikau-rewarewa | O04/144 | Te Karoa | UP | Tangihua | Yes |
| Nikau | O04/081 | Dawson Rd | UP | Mot. calc. m & s | Yes |
| | | | | | |
| VEGETATION TYPE | SITE NO. | NAME | STATUS | GEOLOGY | REP. SITE |
| FOREST | | | | | |
| Nikau-puriri | O04/070 | Metcalfe Rd | UP | Mot. calc. s & m/alluvium | Yes |
| Cabbage tree | O04/186 | Oruru | UP | Tangihua | Yes |
| | O04/044 | Mangatete Stream | UP | alluvium | Yes |
| | O04/089 | Toatoa Stream | UP | alluvium | Yes |
| Swamp maire | O05/009 | Maungataniwha | CP | Tangihua | Yes |
| Pohutukawa treeland | O04/200 | Otengi Bay | UP | Tangihua | Yes |
| | O04/201 | Otanguru Cliffs | UP | Tangihua | Yes |
| | O04/203 | Taumarumaru | RR | Tangihua | Yes |
| | O04/204 | Coopers Beach | UP | Mangonui Formation | Yes |
| | O04/207 | Butler Point | Pt SL | Tangihua | Yes |
| BROADLEAF-PODOCARP | | | | | |
| Towai-kahikatea | O04/110 | Wells Rd Sth | UP | Mot. lime | Yes |
| | O04/174 | Kohumaru Station | UP | Tangihua | |
| Towai-totara- kahikatea | O04/144 | Te Karoa | SR | Tangihua | |

| | | | | | |
|---------------------------|-------------------|-------------------------|----------------|---|---------------------------------|
| Towai-totara | O05/009 | Maungataniwha | SR | Tangihua | Yes |
| | O04/138 | Shepherd Rd | Pt QEII | Tangihua | |
| | O04/156 | Te Ranga | UP | Mang. sand/silic. mud (east); Mot. calc. m & s (west). | |
| | O04/117-2 | Wells Stream #2 | UP | Mang. sand/silic. mud/alluv. | |
| | O04/119-2 | Blue Gorge | UP | Mot. calc. m & s | |
| Towai-totara-kauri | O04/149 | Otataroa | UP | Mang. sand/silic. mud | Yes |
| Taraire-totara | O04/043 | Whiwhero Stream | Pt SR | Mot. calc. m & s | Yes |
| | O04/094 | Kearney | UP | Mot. calc. m & s | |
| | O04/095 | Paranui SR | SR | Mot. calc. m & s | |
| | O04/161 | Paroanui | UP | Tangihua | |
| | P04/023 | Whakateterekia Stm | UP | Mang. mud | |
| | O04/109-2 | Wells Rd W/ Fairburn Rd | UP | Mot. calc. m & s | |
| | O04-118-2 | Lloyd | UP | Mang. sand/silic. mud | |
| Taraire-totara-kahikatea | O04/071 | Kaiherehere Strm | UP | Mot. calc. m & s | Yes |
| | O04/161 | Paroanui | UP | Tangihua | |
| Towai-taraire-totara | O05/137 | Popo Stream | UP | Mot. lime/Mang. Cplx sand (sth) | |
| Puriri-taraire-totara | O05/127 | Tutekehua Bush | UP | Mot. Cplx lime/estuarine | Yes |
| | O04/095 | Paranui SR | UP | Mot. calc. m & s | |
| | O04/015-2 | Victoria Vly Rmnts | UP | Tangihua | |
| Puriri-totara | O04/022 | Snelgar Rd | UP | Mot. calc. m & s | Yes Yes Yes Yes Yes |
| | O04/025 | Waipokapoka Strm | UP | Mot. calc. mud | |
| | O04/044 | Mangatete Stream | UP | alluvium | |
| | O04/048 | Otaha-Ohiritoa | UP | Mot. calc. m & s | |
| | O04/071 | Kaiherehere Str. | UP | Mot. calc. m & s | |
| | O04/090 | Hikurangi | UP | Mot. calc. m & s | |
| | O04/168 | Ngarauaunu Stm | UP | Tangihua | |
| | O04/009-2 | Ruaroa Rd | UP | Mot. calc. mud/alluv. | |
| | P04/027-2 | Marapiu-Patunga | UP | Mang. mud. | |
| VEGETATION TYPE | SITE NO. | NAME | STATUS | GEOLOGY | REP. SITE |
| <u>BROADLEAF-PODOCARP</u> | | | | | |
| Puriri-totara-kahikatea | O04/027 | Oturu | UP | Mot. calc. m & s | Yes |
| | O04/033 | Te Mairepaopao | UP | Mot. calc. m & s | |
| | O04/068 | Champion Rd | UP | alluvium | |
| | O04/026-2 | Quarry/Oturu Rd | UP | Mot. calc. mud | |
| Puriri-kahikatea | O05/002 | Diggers Valley Bush | UP | Mang. Cplx sand | Yes |
| | O04/022 | Snelgar Rd | UP | Mot. calc. m & s | |
| | O04/081 | Dawson Rd | UP | Mot. calc. m & s | |
| | P04/028 | Pakewakewa | UP | Mang. sand | |
| | O04/009-2 | Ruaroa Rd | UP | Mot. calc. mud/alluv. | |
| | O04/014-2 | Te Rore Remnants | UP | Tangihua | |
| O04/059-2 | Thompson Rd Rmnts | UP | Mot. calc. mud | | |
| Taraire-kahikatea | O05/004 | Waikawa Stream | UP | alluvium | Yes Yes Yes Yes |
| | O05/132 | Ratakamaru | UP | Mot. calc. mud/lime/Mang. mud | |
| | O04/002 | Waikawa Bush | QEII | Mang. Cplx sand | |
| | O04/006 | Otepo | UP | Mot. calc. mud | |
| | O04/058 | Pamapurua Rmnts | UP | Mot. lime | |
| | O04/058B | Thompson Rd #1 | UP | Mot. Cplx. lime | |
| | O04/068 | Champion Rd | UP | alluvium | |
| | O04/070 | Metcalfe Rd | UP | Mot. calc. s & m | |
| | O04/071 | Kaiherehere Str. | UP | Mot. calc. m & s | |
| | O04/073 | Kaiaka | UP | Mot. calc. m & s | |
| | O04/079 | Kopuokai | UP | Mot. calc. m & s | |

| | | | | | |
|-----------------------------------|-----------------|------------------------|---------------|--|------------------|
| | P04/023 | Whakateterekia Strm | UP | Mang. mud | |
| Manuka-kahikatea | O04/059-2 | Thompson Rd Rmnts | UP | Mot. calc. mud | |
| Kanuka-towai-kahikatea | O04/012 | Braithwaite's Bush | UP | Mang. Cplx sand | Yes |
| Kanuka-totara-towai | O04/066 | Te Pewa | UP | Mot. calc. m & s | |
| | O05/130 | Mangahoihere Strm Bush | UP | Mot. lime, glauc. sand & calc. mud/ Mang. silic. & non-silic. mud | |
| | O04/161 | Paroanui | UP | Tangihua | Yes |
| | O05/064-2 | Broadwood Rd | UP | Tangihua | |
| Kanuka-totara-towai-rimu-tanekaha | O04/103 | Paranui Strm Bush | QEII | Mang. silic. mud/ Mot. calc. mud | Yes |
| Rimu-kauri-kanuka-towai | O04/027 | Oturu | UP | Mot. calc. m & s | Yes |
| Rimu-kanuka | O05/003 | Sporle/Renwick | QEII | Mang. Cplx sand | Yes |
| | O04/006 | Otepo | UP | Mot. calc. mud | Yes |
| Tanekaha-kauri-kanuka | O05/133 | Opurehu River | UP | Mang. silic. mud | Yes |
| Manuka-kauri-tanekaha | O04/122 | Tuataranui Strm | UP | Mang. sand & mud | Yes |
| VEGETATION TYPE | SITE NO. | NAME | STATUS | GEOLOGY | REP. SITE |
| <u>BROADLEAF-PODOCARP</u> | | | | | |
| Kahikatea-nikau | O04/144 | Te Karoa | UP | Tangihua | |
| | O04/174 | Kohumaru Station | SL | Tangihua | Yes |
| | O04-118-2 | Lloyd | UP | Mang. sand/silic. mud | |
| Kahikatea-cab. tree | O04/065 | Pekerau | QEII | Mot. calc. m & s | Yes |
| | O04/093 | Paranui-Toatoa Rd | UP | Mot. calc. m & s | |
| | O04/106 | Paranui Strm Swamp | UP | | Yes |
| Cabbage tree-totara treeland | O04/042-2 | Atkinson | UP | alluvium | |
| <u>PODOCARP</u> | | | | | |
| Totara | O05/002 | Diggers Valley Bush | UP | Mang. Cplx sand | |
| | O05/132 | Ratakamaru | UP | Mot. calc. mud/lime/Mang. mud | |
| | O05/133 | Opurehu River | UP | Mang. Cplx silic. mud | |
| | O04/018 | Church Rd Swamp Forest | UP | alluvium | |
| | O04/033 | Te Mairepaopao | UP | Mot. calc. m & s | |
| | O04/036 | Upper Mangatete Valley | UP | Mot. calc. m & s | |
| | O04/043 | Whiwhero Stream | UP | Mot. calc. m & s | |
| | O04/044 | Mangatete Stream | UP | alluvium | Yes |
| | O04/045 | Riley Rd East | UP | Mot. calc. m & s | |
| | O04/048 | Otaha-Ohiritoa | UP | Mot. calc. m & s | Yes |
| | O04/058 | Pamapurua Rmnts | UP | Mot. lime | |
| | O04/060 | Switzer Rd | UP | Mot. Cplx. lime | Yes |
| | O04/061 | Mangatoetoe Rd | UP | Mot. lime/calc. m & s | |
| | O04/062 | Panther Rd | UP | Mot. lime | Yes |
| | O04/066 | Te Pewa | UP | Mot. calc. m & s | |
| | O04/070 | Metcalfe Rd | UP | Mot. calc. s & m | |
| | O04/071 | Kaiherehere Strm | UP | Mot. calc. m & s | |
| | O04/073 | Kaiaka | UP | Mot. calc. m & s | |
| | O04/090 | Hikurangi | UP | Mot. calc. m & s | |
| | O04/095 | Paranui SR | Pt SR | Mot. calc. m & s | Yes |
| | O04/110 | Wells Rd Sth | UP | Mot. lime | |
| | O04/125 | Tuataranui Hdwtrs | UP | Tangihua | |
| | O04/129 | SE Honeymoon Vly | UP | Tangihua | |

| | O04/138 | Shepherd Rd | UP | Tangihua | |
|------------------|---------------|------------------------|------------------|---|-----------|
| | O04/156 | Te Ranga | UP | Mang. sand/silic. mud (east); Mot. calc. m & s (west). | |
| | O04/168 | Ngaraumaunu Strm | UP | Tangihua/alluv | Yes |
| | O04/179 | Te Roto Stream | UP | Tangihua | Yes |
| | P04/023 | Whakateterekia Strm | UP | Mang. mud | Yes |
| | O05/005-2 | Manoao Stream | UP | Mang. sand/alluv. | |
| | O04/004-2 | Fryer-Munn Rds | UP | Mot. calc. mud | |
| | O04/015-2 | Victoria Vly Rmnts | UP | Tangihua | |
| | O04/117-2 | Wells Stream #2 | UP | Mang. sand/silic. mud/alluv. | |
| | O04/154-2 | Wainui River | UP | | |
| | P04/027-2 | Marapiu-Patunga | UP | Mang. mud | |
| Totara-mamaku | O04/144 | Te Karoa | UP | Tangihua | |
| Totara-tanekaha | O04/035 | Dykin Rd Bush | UP | Mot. calc. m & s/alluv. | Yes |
| | O04/087 | Te Moho Stream | UP | Mot. calc. m & s | |
| Kahikatea | O05/002 | Diggers Valley Bush | SR | Mang. Cplx sand | |
| | O05/003 | Sporle/Renwick | UP | Mang. Cplx sand | Yes |
| VEGETATION TYPE | SITE NO. | NAME | STATUS | GEOLOGY | REP. SITE |
| <u>PODOCARP</u> | | | | | |
| Kahikatea | O05/009 | Maungataniwha | CP | Tangihua | Yes |
| | O05/017 | Werawahakamau Strm | UP | Mang. Cplx mud (alluvium) | |
| | O04/002 | Waikawa Bush | QEII | Mang. Cplx sand | |
| | O04/006 | Otepo | UP | Mot. calc. mud/alluvium | Yes |
| | O04/0009A | Oharae Stream | UP | alluvium | Yes |
| | O04/013 | Te Ripanga Stream | UP | alluvium | Yes |
| | O04/018 | Church Rd Swamp Forest | UP | alluvium | Yes |
| | O04/022 | Snelgar Rd | UP | Mot. calc. m & s | |
| | O04/027 | Oturu | UP | Mot. calc. m & s | |
| | O04/033 | Te Mairepaopao | UP | Mot. calc. m & s | Yes |
| | O04/048 | Otaha-Ohiritoa | UP | Mot. calc. m & s | |
| | O04/054 | Te Puhi Swamp#1 & Bush | UP | Mot. calc. m & s/alluvium | |
| | O04/058 | Pamapurua Rmnts | UP | Mot. lime | |
| | O04/064 | Schluter/Vinac | UP | Mot. calc. m & s | |
| | O04/072 | Tokatoka Stream | UP | Mot. calc. m & s/alluvium | |
| | O04/073 | Kaiaka | UP | Mot. calc. m & s | |
| | O04/079 | Kopuokai | UP | Mot. calc. m & s | |
| | O04/081 | Dawson Rd | UP | Mot. calc. m & s | |
| | O04/113 | Te Puhi | UP | Mot. lime | Yes |
| | O04/114 | Tracey/Edwards Rds | UP | Mang. sand/alluv | |
| | O04/115A | Te Kahikatea Strm | UP | Tangihua | |
| | O04/116 | Wells Strm #1 | UP | Mang. sand/silic. mud | Yes |
| | O04/122 | Tuataranui Strm | UP | Mang. sand & mud | |
| | O04/144 | Te Karoa | UP | Tangihua | Yes |
| | P04/023 | Whakateterekia Strm | UP | Mang. mud | Yes |
| | P04/037A | Omaunu Rd | UP | Tang./Mang. sand west strm margin | |
| | O05/005-2 | Manoao Stream | UP | Mang. sand/alluv. | |
| | O05/015-2 | Tawai Stream | UP | Mang. sand | |
| | O04/003-2 | Munn Rd | UP | Mang. sand | |
| | O04/011-2 | Te Rore Stream | UP | Mang. sand | |
| | O04/056-2 | Te Puhi Swamp #2 | UP | alluvium | |
| | O04/059-2 | Thompson Rd Rmnts | UP | alluvium | |
| | O04/117-2 | Wells Stream #2 | UP | Mang. sand/silic. mud/alluv. | |
| O04/119-2 | Blue Gorge | UP | Mot. calc. m & s | | |
| O04/148-2 | Otamatai Strm | UP | Mang. sand | | |
| Kahikatea-totara | O04/043 | Whiwhero Stream | UP | Mot. calc. m & s | |

| | O04/058A | Pipiwai Stream Swamp | UP | alluvial flats adj. Mot. Cplx. lime | Yes |
|------------------------------|-----------|----------------------|--------|---|-----------|
| | O04/070 | Metcalfe Rd | UP | Mot. calc. s & m | |
| | O04/072 | Tokatoka Stream | UP | Mot. calc. m & s/alluvium | |
| | O04/073 | Kaiaka | UP | Mot. calc. m & s | |
| | O04/086 | Tuanaki | UP | Mot. calc. m & s | Yes |
| | O04/099 | Burma Rd | UP | Mang. sand/silic. mud | |
| | O04/108 | Fairburn 199 | UP | Mot. calc. m & s | |
| | O04/110 | Wells Rd Sth | UP | Mot. lime | |
| | O04/111 | Higginson/Khaine | UP | Mot. calc. m & s | |
| | O04/144 | Te Karoa | UP | Tangihua | |
| | O04/161 | Paroanui | UP | Tangihua | |
| | O04/168 | Ngaraumaunu Strm | UP | Tangihua | |
| | O04/186 | Oruru | UP | Tangihua | |
| | P04/020 | Hayes Brothers' Farm | UP | Mang. sand/mud | Yes |
| | P04/023 | Whakateterekia Strm | UP | Mang mud | |
| VEGETATION TYPE | SITE NO. | NAME | STATUS | GEOLOGY | REP. SITE |
| <u>PODOCARP</u> | | | | | |
| Kahikatea-totara | P04/024 | Te Rahui | UP | Mang. silic. mud | Yes |
| | O05/005-2 | Manoao Stream | UP | Mang. sand/alluv. | |
| | O04/011-2 | Te Rore Stream | UP | alluvium | |
| | O05/015-2 | Tawai Stream | UP | Mang. sand | |
| | O04/041-2 | Paice | UP | Mot. calc. m & s | |
| | O04-118-2 | Lloyd | UP | Mang. sand/silic. mud | |
| Kahikatea-totara-rimu | O04/095 | Paranui SR | SR | Mot. calc. m & s | Yes |
| Tanekaha | O04/012 | Braithwaite's Bush | UP | Mang. Cplx sand | Yes |
| | O04/065 | Pekerau | QEII | Mot. calc. m & s | Yes |
| | O04/081 | Dawson Rd | UP | Mot. calc. m & s | Yes |
| Rimu | O04/084 | Te Ahoponga | UP | Mot. calc. m & s | Yes |
| Rimu-totara | O04/128 | Honeymoon Vly Rd End | UP | Tangihua | Yes |
| <u>KAURI</u> | | | | | |
| Kauri-rimu (secondary) | O05/139 | Mangataipa SR | SR | Motatau lime/glauc. sand | Yes |
| | O04/122 | Tuataranui Strm | UP | Mang. sand & mud | Yes |
| Kauri-tanekaha | O04/159 | Pukehinou | UP | Tangihua | Yes |
| Kauri (secondary) | O04/095 | Paranui SR | SR | Mot. calc. m & s | Yes |
| | O04/144 | Te Karoa | SL | Tangihua | Yes |
| | O05/009 | Maungataniwha | CP | Tangihua | Yes |
| | O04/097 | Olsen | UP | Mot. calc. m & s/Mang. sand/silic. mud | Yes |
| | O04/176 | Kohumaru | SL | Tangihua | Yes |
| | O04/186 | Oruru | Pt SR | Tangihua | Yes |
| | P04/024 | Te Rahui | UP | Mang. silic. mud | Yes |
| Kauri-tanekaha-northern rata | O04/156 | Te Ranga | UP | Mang. sand/silic. mud (east); Mot. calc. m & s (west). | Yes |
| <u>SHRUBLAND</u> | | | | | |
| Manuka | O05/009 | Maungataniwha | UP | Tangihua | Yes |
| | O05/132 | Ratakamaru | UP | Mot. calc. mud/lime/Mang. mud | Yes |
| | O05/133 | Opurehu River | UP | Mang. Cplx silic. mud | Yes |
| | O04/002 | Waikawa Bush | QEII | Mang. Cplx sand | Yes |
| | O04/009A | Oharae Stream | UP | alluvium | Yes |
| | O04/020 | Matthews Mission | UP | Mang. Cplx mud | |
| | O04/025 | Waipokapoka Strm | UP | Mot. calc. mud | |
| | O04/027 | Oturu | UP | Mot. calc. m & s | |
| | O04/033 | Te Mairepaopao | UP | Mot. calc. m & s | |

| | O04/036 | Upper Mangatete Valley | UP | Mot. calc. m & s | |
|------------------|-----------------|------------------------|----------|---|-----------|
| | O04/040 | Churton-Atkinson | UP | Mot. calc. m & s | |
| | O04/043 | Whiwhero Stream | UP | Mot. calc. m & s | |
| | O04/046 | Riley Rd | Pt SR | Mot. calc. m & s | Yes |
| | O04/047A | Airstrip Riley Rd | UP | Mot. calc. m & s | |
| | O04/054 | Te Pui Swamp#1 & Bush | UP | Mot. calc. m & s/alluvium | |
| | O04/055A | Fairburn 204 | UP | Mot. calc. m & s | |
| | O04/058 | Pamapurua Rmnts | UP | Mot. lime | |
| | O04/058B | Thompson Rd #1 | UP | Mot. Cplx. lime | |
| | O04/064 | Schluter/Vinac | UP | Mot. calc. m & s | Yes |
| | O04/066 | Te Pewa | UP | Mot. calc. m & s | |
| VEGETATION TYPE | SITE NO. | NAME | STATUS | GEOLOGY | REP. SITE |
| <u>SHRUBLAND</u> | | | | | |
| Manuka | O04/115A | Te Kahikatea Strm | UP | Tangihua | |
| | O04/122 | Tuataranui Strm | UP | Mang. sand & mud | |
| | O04/123 | Tangikoko Strm | UP | Mang. Silic. mud | |
| | O04/126 | Puhoi Reserve | QEII | Tangihua | |
| | O04/127 | Maungataureia | UP | Tangihua | |
| | O04/129 | SE Honeymoon Vly | UP | Tangihua | |
| | O04/130 | Honeymoon Vly Cul. | UP | Tangihua | |
| | O04/144 | Te Karoa | UP | Tangihua | Yes |
| | O04/149 | Otangaroa | UP | Mang. sand/silic. mud | |
| | O04/150 | Linssen | UP | Mang. silic. mud (west); Mot. calc. mud | |
| | O04/155 | Omahuta Outlier | UP | Mang. sand/silic. mud | Yes |
| | O04/186 | Oruru | UP | Tangihua | |
| | O04/198 | Taipa Straight | UP | Mang. sand/silic. mud/Holocene foredune | |
| | P04/026 | Pupuke-Mangapa | UP | Mang. sand/silic. mud | |
| | O04/019-2 | Lower Church Rd | UP | Mang. sand | |
| | O04/026-2 | Quarry/Oturu Rd | UP | Mot. calc. mud | |
| | O04/030-2 | Kareponia | UP | Mot. calc. mud/sand/podsol sand/ consol. parabolic dunes (nth) | |
| | O04/032-2 | Arawhata Rd | UP | Mot. calc. mud/sand/podsol sand | |
| | O04/091-2 | Oparera Stream | UP | Mot. calc. m & s | |
| | O04/096-2 | Taylor (Blue Gorge) | UP | Mot. calc. m & s | |
| | P04/019-2 | Waihapa Quarry | UP | Mang. silic. mud | |
| | P04/021A-2 | Popoti Stream | UP | Mang. sand & mud | |
| P04/027-2 | Marapiu-Patunga | UP | Mang mud | | |
| Manuka-kanuka | O05/002 | Diggers Valley Bush | UP | Mang. Cplx. sand | |
| | O05/009 | Maungataniwha | UP | Tangihua | |
| | O05/017 | Werawahakamau Strm | UP | Mang. Cplx mud. | Yes |
| | O04/021 | Clough Rd | UP | Mot. calc. mud | |
| | O04/023 | Cowell | UP | Mot. calc. m & s | |
| | O04/027 | Oturu | UP | Mot. calc. m & s | |
| | O04/031 | Pairatahi Rd | UP | Mot. calc. m & s/podsol sand/ consol. parabolic dunes | Yes |
| | O04/035 | Dykin Rd Bush | UP | Mot. calc. m & s | |
| | O04/038 | Puriri Block Rd Bush | UP | Mot. calc. m & s | |
| | O04/063 | Victoria Valley Rd | UP | Mang. sand/Tang. | |
| | O04/064 | Schluter/Vinac | UP | Mot. calc. m & s | |
| | O04/069 | Taumata Bush | UP | Mot. calc. m & s | |
| | O04/073 | Kaiaka | UP | Mot. calc. m & s | |
| | O04/078 | Beckham Rd | UP | Mot. calc. s & m | |
| | O04/079 | Kopuokai | UP | Mot. calc. m & s | |
| | O04/081 | Dawson Rd | UP | Mot. calc. m & s | |
| | O04/082 | Koturetawhenua Strm | UP | Mot. calc. m & s | |

| | O04/084 | Te Ahoponga | UP | Mot. calc. m & s | |
|------------------|-----------------|--------------------------|----------|--|-----------|
| | O04/086 | Tuanaki | UP | Mot. calc. m & s | |
| | O04/087 | Te Moho Stream | UP | Mot. calc. m & s/alluv. | |
| | O04/088 | Kaurinui | UP | Mot. calc. m & s | |
| | O04/090 | Hikurangi | UP | Mot. calc. m & s | |
| | O04/093 | Paranui-Toatoa Rd | UP | Mot. calc. m & s | |
| | O04/094 | Kearney | UP | Mot. calc. m & s | |
| | O04/095 | Paranui SR | UP | Mot. calc. m & s | |
| | O04/099 | Burma Rd | UP | Mang. sand/silic. mud | |
| | O04/103 | Paranui Strm Bush | Pt QEII | Mang. silic. mud (E); Mot. calc. mud (SW) | |
| VEGETATION TYPE | SITE NO. | NAME | STATUS | GEOLOGY | REP. SITE |
| <u>SHRUBLAND</u> | | | | | |
| Manuka-kanuka | O04/108 | Fairburn 199 | UP | Mot. calc. m & s | |
| | O04/110 | Wells Rd Sth | UP | Mot. lime | Yes |
| | O04/111 | Higginson/Khaine | UP | Mot. calc. m & s | Yes |
| | O04/115 | Victoria River | UP | Tangihua Cplx | |
| | O04/131 | Chadwick 274 | UP | Tang./Mang. silic. mud (valley) | |
| | O04/132 | Peria River | UP | Tang. (sth)/Mang. sand & silic. mud (nth) | |
| | O04/138 | Shepherd Rd | Pt QEII | Tangihua | |
| | O04/144 | Te Karoa | UP | Tangihua | Yes |
| | O04/156 | Te Ranga | Pt SR | Mang. sand/silic. mud (east); Mot. calc. m & s (west). | |
| | O04/159 | Pukehinau | UP | Tangihua | |
| | O04/160 | Oruaiti Headwaters | UP | Tangihua | |
| | O04/161 | Paroanui | UP | Tangihua | |
| | O04/168 | Ngaraumaunu Strm | UP | Tangihua | |
| | O04/174 | Kohumarua Station | UP | Tangihua | |
| | O04/176 | Kohumarua | Pt SL | Tangihua | |
| | O04/179 | Te Roto Stream | UP | Tangihua | |
| | O04/186 | Oruru | UP | Tangihua | Yes |
| | O04/193 | Baker | UP | Tangihua | |
| | O04/194 | Duirs | UP | Tangihua | |
| | O04/195 | Backriver Rd | CC | Tangihua | |
| | O04/196 | Garton Block | UP | Tang./Mang. sand | |
| | O04/197 | Taipa River East Bank | UP | Mot. calc. m & s/Mang. sand/silic. mud | |
| | O04/202 | Te Kuihi | UP | Tangihua | Yes |
| | O04/205 | Rangikapiti | HR | Tangihua | |
| | O04/206 | Paewhenua | UP | Tangihua | |
| | O04/207 | Butler Point | UP | Tangihua | |
| | P04/022 | Takakuri Stream | UP | alluvium | Yes |
| | P04/024 | Te Rahui | UP | Mang. silic. mud | |
| | P04/037 | Matawherohia Bush | UP | Tangihua (SW Haunga)/Mang. sand (Waihuka)/ Wairakau volc. Te Painga | |
| | O05/006-2 | Cemetery Rd | UP | Mang. sand | |
| | O05/015-2 | Tawai Stream | UP | Mang. sand | |
| | O04/003-2 | Munn Rd | UP | Mang. sand | |
| | O04/004-2 | Fryer-Munn Rds | UP | Mot. calc. mud | |
| | O04/010-2 | Murray | UP | Mang. sand | |
| | O04/011-2 | Te Rore Stream | UP | Mang. sand | |
| | O04/067-2 | Four Crossroads | UP | Mot. calc. m & s | |
| | O04/109-2 | Wells Rd Wst/Fairburn Rd | UP | Mot. calc. m & s | |
| | O04/117-2 | Wells Stream #2 | UP | Mang. sand/silic. mud/alluv. | |
| | O04/119-2 | Blue Gorge | UP | Mot. calc. m & s | |
| | O04/124-2 | Peria Vly Rd | UP | Mang. sand/silic. mud | |
| O04/135-2 | Puhangatohoraka | UP | Tangihua | | |
| O04/175-2 | Maungahotoa | UP | Tangihua | | |

| | O04/189A-2 | Saleyards 236 | UP | Tangihua | |
|--------------------------------|--------------|---------------------------------|--------------------|--|----------------|
| | P04/021-2 | Kaingapipiwai | UP | Mang. sand | |
| Kanuka | O05/130 | Mangahoihere Strm Bush | UP | Mot. lime, glauc. sand & calc. mud/ Mang. silic. & non-silic. mud | Yes |
| | O05/134 | Oturia | UP | Mot. Cplx lime /Mang. Cplx sand | Yes |
| | O04/045 | Riley Rd East | SR | Mot. calc. m & s/alluv. | |
| | O04/065 | Pekerau | QEII | Mot. calc. m & s | |
| | O04/071 | Kaiherehere Strm | UP | Mot. calc. m & s | |
| VEGETATION TYPE | SITE NO. | NAME | STATUS | GEOLOGY | REP. SITE |
| <u>SHRUBLAND</u> | | | | | |
| Kanuka | O04/186 | Oruru | UP | Tangihua | |
| | O04/203 | Taumarumaruru | | Tangihua | |
| | O04/234 | Whatakau Wetland | UP | | |
| | O05/064-2 | Broadwood Rd | UP | Tangihua | |
| | O04/091-2 | Oparera Stream | UP | Mot. calc. m & s | |
| Manuka-kanuka- gorse | O04/084 | Te Ahoponga | UP | Mot. calc. m & s | |
| Manuka-gorse | O04/099 | Burma Rd | UP | Mang. sand/silic. mud | |
| | O04/103 | Paranui Strm Bush | UP | Mang. silic. mud (east); Mot. calc. mud (SW) | |
| | O04/156 | Te Ranga | UP | Mang. sand/silic. mud; Mot. calc. m & s | |
| | O04/161 | Paroanui | UP | Tangihua | |
| | O04/186 | Oruru | UP | Tangihua | |
| Manuka-towai | O05/002 | Diggers Valley Bush | SR | Mang. Cplx | |
| | O05/009 | Maungataniwha | UP | Tangihua | Yes |
| | O04/115 | Victoria River | UP | Tangihua | |
| | O04/115A | Te Kahikatea Strm | UP | Tangihua | |
| | O04/126 | Puhoi Reserve | QEII | Tangihua | Yes |
| | O04/129 | SE Honeymoon Vly | UP | Tangihua | |
| | O04/130 | Honeymoon Vly Cul. | UP | Tangihua | |
| | O04/132 | Peria River | UP | Tang. (south)/Mang. sand & silic. mud (north) | |
| | O04/144 | Te Karoa | UP | Tangihua | |
| | O04/138 | Shepherd Rd | UP | Tangihua | |
| | O04/156 | Te Ranga | Pt CP | Mang. sand/silic. mud/ Mot. calc. m & s | Yes |
| | O04/010-2 | Murray | UP | Mang. sand | |
| | O04/016-2 | Empire Street | UP | Mang. sand | |
| | P04/021-2 | Kaingapipiwai | UP | Mang. sand | |
| | Kanuka-towai | O05/017 | Werawahakamau Strm | UP | Mang. Cplx mud |
| O04/048 | | Otaha-Ohiritoa | UP | Mot. calc. m & s | |
| O04/186 | | Oruru | UP | Tangihua | |
| O04/011-2 | | Te Rore Stream | UP | Mang. sand | |
| Kanuka-manuka- towai | O05/140 | Mangamuka- Mangataipa Mosaic | UP | Mang. silic. m & s (NE)/Mot. lime glauc. sand/ calc. mud | |
| Manuka-kanuka- towai | O04/058 | Pamapurua Rmnts | UP | Mot. lime | |
| | O04/122 | Tuataranui Strm | UP | Mang. sand & mud | |
| | O04/156 | Te Ranga | UP | Mang. sand/silic. mud (east); Mot. calc. m & s (west) | |
| Manuka-kanuka- towai-mamaku | O04/070 | Metcalfe Rd | UP | Mot. calc. s & m | |
| | O04/072 | Tokatoka Stream | UP | Mot. calc. m & s/alluvium | |
| | O04/161 | Paroanui | UP | Tangihua | Yes |
| Towai-kanuka- rewarewa | O04/195 | Backriver Rd | CC | Tangihua | Yes |
| Towai | O05/002 | Diggers Valley Bush | UP | Mang. Cplx sand | Yes |
| | O05/009 | Maungataniwha | UP | Tangihua | Yes |
| | O05/133 | Opurehu River | UP | Mang. silic. mud | |

| | O04/048 | Otaha-Ohiritoa | UP | Mot. calc. m & s | |
|-----------------------------------|-----------|----------------------|--------|--|-----------|
| | O04/126 | Puhoi Reserve | QEII | Tangihua | |
| | O04/128 | Honeymoon Vly Rd End | UP | Tangihua | |
| VEGETATION TYPE | SITE NO. | NAME | STATUS | GEOLOGY | REP. SITE |
| <u>SHRUBLAND</u> | | | | | |
| Towai | O04/129 | SE Honeymoon Vly | UP | Tangihua | |
| | O04/130 | Honeymoon Vly Cul. | UP | Tangihua | |
| | O04/138 | Shepherd Rd | UP | Tangihua | |
| | O04/144 | Te Karoa | UP | Tangihua | |
| | O04/150 | Linssen | UP | Mang. silic. mud (W); Mot. calc. mud | |
| | O04/011-2 | Te Rore Stream | UP | Mang. sand | |
| Towai-mahoe | P04/037 | Matawherohia Bush | UP | Tangihua (SW Haunga)/Mang. sand (Waihuka)/ Wairakau volc. Te Painga | Yes |
| Towai-mamaku | O04/073 | Kaiaka | UP | Mot. calc. m & s | |
| | O04/132 | Peria River | UP | Tang. (south)/Mang. sd & silic. mud (north) | |
| | O04/144 | Te Karoa | UP | Tangihua | |
| Manuka-mamaku | O04/115A | Te Kahikatea Strm | UP | Tangihua | |
| | O04/138 | Shepherd Rd | QEII | Tangihua | Yes |
| Manuka-puriri | O04/039 | Church Rd East | UP | Mot. calc. m & s | |
| Manuka-totara | O04/025 | Waipokapoka Strm | UP | Mot. calc. mud | |
| | O04/138 | Shepherd Rd | | Tangihua | |
| Manuka-kanuka-totara | O04/033 | Te Mairepaopao | UP | Mot. calc. m & s | |
| Manuka-totara-gorse | O04/048 | Otaha-Ohiritoa | UP | Mot. calc. m & s | |
| Kanuka-totara | O04/035 | Dykin Rd Bush | UP | Mot. calc. m & s | Yes |
| | O04/073 | Kaiaka | UP | Mot. calc. m & s | |
| | O04/083 | Parapara Str. | UP | alluvium | Yes |
| | O04/154-2 | Wainui River | UP | | |
| Manuka-tanekaha | O05/133 | Opurehu River | UP | Mang. Cplx silic. mud | Yes |
| Sydney golden wattle-manuka | O04/031 | Pairatahi Rd | UP | Mot. calc. m & s/podsol. sand/ consol. parabolic dunes | |
| Manuka-wattle | O04/040 | Churton-Atkinson | UP | Mot. calc. m & s | |
| Manuka-kanuka-wattle | O04/092 | Ryders Creek | UP | Mot. calc. m & s | |
| Manuka-tobacco weed | O04/026-2 | Quarry/Oturu Rd | UP | Mot. calc. mud | |
| Manuka-pampas | O04/096-2 | Taylor (Blue Gorge) | UP | Mot. calc. m & s | |
| Manuka-bracken-ringfern | O04/084 | Te Ahoponga | UP | Mot. calc. m & s | |
| Manuka-bracken | O04/106 | Paranui Strm Swamp | UP | | |
| Kanuka-manuka-cab. tree-kahikatea | O05/131 | Hobson Rd | UP | Mang. silic. & non-silic. mud | Yes |
| Kanuka-cab. tree | O04/082 | Koturetawhenua Strm | UP | Mot. calc. m & s/alluv. | Yes |
| Manuka-cab. tree | O04/031 | Pairatahi Rd | UP | Mot. calc. m & s/podsol. sand/alluvium | |
| Cabbage tree | O04/047A | Airstrip Riley Rd | UP | Mot. calc. m & s | Yes |
| | O04/087 | Te Moho Stream | UP | Mot. calc. m & s | Yes |
| VEGETATION TYPE | SITE NO. | NAME | STATUS | GEOLOGY | REP. SITE |
| <u>SHRUBLAND</u> | | | | | |
| Cabbage tree- | O04/064 | Schluter/Vinac | UP | Mot. calc. m & s | Yes |

| | | | | | |
|-------------------------------|-------------|--------------------------------------|--------|---|--------------|
| putaputaweta | | | | | |
| Tutu | O05/009 | Maungataniwha | UP | Tangihua | |
| | O05/065 | Orawau | UP | Tangihua | |
| Hardwood shrub | O05/009 | Maungataniwha | UP | Tangihua | Yes |
| Mixed shrubland | O04/094 | Kearney | UP | Mot. calc. m & s | Yes |
| Totara- Coprosma propinqua | O04/186 | Oruru | UP | alluvium | Yes |
| Gorse | O04/002 | Waikawa Bush | UP | Mang. Cplx sand | |
| | O04/088 | Kaurinui | UP | Mot. calc. m & s | |
| | O04/168 | Ngaraumaunu Strm | UP | Tangihua | |
| | O04/186 | Oruru | UP | Tangihua | |
| | O04/203 | Taumarumaru | RR | Tangihua | |
| Manuka-gorse-grass | O04/130 | Honeymoon VI Cul. | UP | Tangihua | |
| Kanuka-gorse- boneseed | O04/203 | Taumarumaru | RR | Tangihua | |
| Coastal (gorse) | O04/200 | Otengi Bay | UP | Tangihua | Yes |
| Pampas-mamaku | O04/203 | Taumarumaru | UP | Tangihua | |
| Wattle | O04/205 | Rangikapiti | UP | Tangihua | |
| <u>FERNLAND</u> | | | | | |
| Bracken-ringfern | O05/009 | Maungataniwha | UP | Tangihua | |
| | O04/156 | Te Ranga | UP | Mang. sand/silic. mud (east); Mot. calc. m & s (west). | |
| Bracken-ringfern- grass | O04/140 | Otangaroa | UP | Mang. sand/silic. mud | |
| Bracken | O04/115A | Te Kahikatea Strm | UP | Tangihua | |
| | O04/127 | Maungataureia | UP | Tangihua | |
| Bracken-gorse | O04/128 | Honeymoon Vly Rd End | UP | Tangihua | |
| Bracken | O04/138 | Shepherd Rd | UP | Tangihua | |
| Ringfern | O04/127 | Maungataureia | UP | Tangihua | |
| | O05/015-2 | Tawai Stream | UP | Mang. sand | |
| Bracken-mamaku | O04/207 | Butler Point | UP | Tangihua | |
| Mamaku | O04/144 | Te Karoa | UP | Tangihua | Yes |
| | P04/021-2 | Kaingapipiwai | UP | Mang. sand | |
| <u>WETLANDS</u> | | | | | |
| Raupo | O05/002 | Diggers Valley Bush | UP | Mang. Cplx | |
| | O05/007 | Te Rore Wetland | UP | Holocene alluvium of Mang. Cplx | Yes |
| | O05/017 | Werawahakamau Strm | UP | Mang. Cplx mud | |
| | O05/136 | Rotokoma Stream | UP | Mang. mud & sand | Yes |
| | O05/138 | Otianga Wetland & Riparian Forest | UP | estuarine | Yes |
| | O04/027 | Oturu | UP | Mot. calc. m & s | |
| <u>VEGETATION</u> | | | | | |
| TYPE | SITE NO. | NAME | STATUS | GEOLOGY | REP. SITE |
| <u>WETLAND</u> | | | | | |
| Raupo | O04/031 | Pairatahi Rd | UP | alluvium | |
| | O04/048 | Otaha-Ohiritoa | UP | alluvium | Yes |
| | O04/054 | Te Puhi Swamp#1 & Bush | UP | Mot. calc. m & s/alluvium | |
| | O04/057 | Foley | UP | Mot. calc. m & s | |
| | O04/058A | Pipiwai Stream Swamp | UP | alluvial flats adj. Mot. Cplx lime | Yes |
| | O04/082 | Koturetawhenua Strm | UP | Mot. calc. m & s/alluv. | |
| | O04/085 | Toatoa Swamp | UP | Mot. calc. m & s/alluv. | Yes |
| | O04/094 | Kearney | UP | Mot. calc. m & s | |

| | | | | | |
|-----------------------------|-----------|-------------------------|----|---------------------------------|-----|
| | O04/106 | Paranui Strm Swamp | SL | | Yes |
| | O04/107 | Mangatoetoe Wetlands | UP | | |
| | O04/120 | Blue Gorge Swamp | UP | | Yes |
| | O04/123 | Tangikoko Strm | UP | Mang. silic. mud | Yes |
| | O04/183 | Kenana Rd Swamp | UP | Tangihua | |
| | O04/186 | Oruru | UP | alluvium | |
| | O04/234 | Whatakau Wetland | UP | | Yes |
| | P04/024 | Te Rahui | UP | Mang. silic. mud | |
| | O04/011-2 | Te Rore Stream | UP | Mang. sand | |
| | O04/026-2 | Quarry/Oturu Rd | UP | Mot. calc. mud | |
| | O04/034-2 | Dykin Rd Wetland | UP | Mot. calc. m & s | |
| | O04/056-2 | Te Pui Swamp #2 | UP | | |
| | O04/059-2 | Thompson Rd Rmnts | UP | Mot. calc. mud | |
| | O04/121-2 | Tuataranui Strm Wetland | UP | | |
| | O04/148-2 | Otamatai Strm | UP | Mang. sand | |
| | O04/152-2 | Airstrip Rd Swamp | UP | Mang. sand | |
| Raupo-Juncus | O04/073 | Kaiaka | UP | Mot. calc. m & s | Yes |
| Raupo-cabbage tree | O04/047B | Fisher Rd | UP | Mot. calc. m & s | Yes |
| Flax | O04/092 | Ryders Creek | UP | Mot. calc. m & s | Yes |
| | O04/106 | Paranui Strm Swamp | SL | | Yes |
| Flax-cabbage tree | O05/007 | Te Rore Wetland | UP | Holocene alluvium of Mang. Cplx | Yes |
| | O04/031 | Pairatahi Rd | UP | alluvium | |
| | O04/106 | Paranui Strm Swamp | SL | | Yes |
| Cabbage tree | O04/106 | Paranui Strm Swamp | SL | | Yes |
| | O04/186 | Oruru | UP | Tangihua | Yes |
| Open water (constructed) | O04/027 | Oturu | UP | Mot. calc. m & s | |
| | O04/048 | Otaha-Ohiritoa | UP | alluvium | Yes |
| | O04/058A | Pipwai Strm Swamp | UP | alluvium | |
| | O04/073 | Kaiaka | UP | Mot. calc. m & s | |
| | O04/120 | Blue Gorge Swamp | UP | | Yes |
| | O04/121-2 | Tuataranui Strm Wetland | UP | | |
| Oioi | O04/186 | Oruru | UP | | Yes |
| | O04/208 | Mangonui Harbour | | | Yes |
| | O04/209 | Taipa Estuary | | | Yes |
| Manuka-Juncus | O04/186 | Oruru | UP | alluvium | Yes |
| Mangrove | O04/203 | Taumarumaru | | Tangihua | |
| | O04/208 | Mangonui Harbour | | | Yes |
| | O04/209 | Taipa Estuary | | | Yes |

TABLE 3. SUMMARY OF SITE EVALUATIONS (e.u. = ecological unit).

| SITE | REPRESENT- ATIVENESS ¹ | RARITY ² / SPECIAL FEATURES | DIVERSITY AND PATTERN | NATURAL- NESS | BUFFER/ LINKAGE/ CORRIDOR | SIZE ³ AND SHAPE |
|--|--------------------------------------|---|--|--|---|--|
| <u>LEVEL ONE SITES</u> | | | | | | |
| Diggers Valley Bush O05/002 | Rep. site for 2 e.u.s | Fauna: 3 threatened & 2 reg. significant. Wetland | 9 e.u.s incl. forest, shrub & wetland | Regenerating | Partial linkage betw. Herekino/ Raetea | 125 ha Long, narrow split by road |
| Sporle/Renwick O05/003 | Rep. site for 3 e.u.s | Fauna: 2 threatened. Flora: 1 Declining, 1 Restr. distrib., 1 un- common forest type | 5 e.u.s | Main bush intact. Includes outlying remnants | Partial linkage betw. Herekino/ Raetea | c. 27 ha |
| Waikawa Stream O05/004 | Rep. site for 2 e.u.s | On alluvium | 3 e.u.s Riparian | Discontinuous habitat | Buffer to trib- utary of Awanui River | 13 ha |
| Te Rore Wetland O05/007 | Rep. site for 2 e.u.s | Uncommon veg. types; wetland. Flora: 1 District significance | 2 e.u.s Small area of adjoin. forest | Margins mostly farmland; exotics present | | c. 2-3 ha |
| Okakewai Rd O05/008 | | Fauna: 2 threatened | 1 e.u. | | Close proximity to Raetea Forest | c. 19 ha |
| Maungataniwha Forest O05/009 | Rep. site for 15 e.u.s | Fauna: 6 threatened, 1 reg. significant. Flora: 1 threatened, 5 regionally significant, 2 District significance, 6 at northern limit | 20 e.u.s Floral species diversity | Mainly mature forest, some unlogged; emergents; margins regenerating. | Linked wholly or partly to other habitats | 13,844 ha Largest habitat in the ED |
| Werawahakamau Stream O05/017 | Rep. site for 2 e.u.s | Fauna: 1 threatened. Small wetland | 6 e.u.s | Advanced regeneration | Linked to O05/002; partial linkage betw. Herekino & Raetea Forests | c. 88 ha Mostly compact shape |
| Orawau O05/065 | Rep. site | Puriri forest. Fauna: 3 threatened Flora: 1 District significance | 3 e.u.s | Some regenerating | Within 500 m of Raetea Forest | c. 32 ha Compact with a finger |
| Tutekehua O05/127 | Rep. site; on limestone | Only site | 1 e.u. Diverse canopy | Remnant | Adjoins Mangamuka River | c. 6 ha Compact |
| Turangahou Trig O05/129 | Rep. site 2 e.u.s | Bluffs & uncommon veg. types | 2 e.u.s Diverse canopy | Medium | Partial linkage betw. Omahuta & Raetea | c. 20 ha Triangular |
| <u>LEVEL ONE SITES</u> | | | | | | |
| Mangahoihere Stream Bush O05/130 | Rep. site for 3 e.u.s | Fauna: 1 threatened | 4 e.u.s Diversity of rock types | Medium | Close to Omahuta | > 80 ha Long, narrow |
| Hobson Rd O05/131 | Rep. site for 2 e.u.s | Uncommon veg. type on estuarine margin | 2 e.u.s Sequence from saltmarsh to hill country forest | Medium | Buffer to Mangamuka River | c. 42 ha Two close compact sites |
| Ratakamaru O05/132 | Rep. site for 3 e.u.s | Fauna: 1 threatened | 5 e.u.s Variety of rock types | Intact; retains emergents | Joined to Omahuta; partial linkage to | 1500 ha Mostly compact |

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| Opurehu River O05/133 | Rep. site for 3 e.u.s | | 6 e.u.s | Regenerating; discontinuous | Corridor – linked to O05/009 via pines | 34 ha Irregular |
| Oturia Bush O05/134 | Rep. site for 3 e.u.s. On limestone | Fauna: 1 threatened. Only site for 1 veg. type | 3 e.u.s; sea level to 160 m. Some riparian | Medium; some regeneration | Partial link from Omahuta to Tapuwae | c. 160 ha Compact |
| Oturia Wahi Tapu O05/135 | Rep. site on limestone | Cultural significance | 1 e.u. | Medium | Buffer to Mangamuka R. | c. 11 ha Compact |
| Rotokoma Stream Bush O05/136 | Rep. site for 2 e.u.s | Fauna: 1 threatened. Flora: 1 District significance | 2 e.u.s Sequence from wetland to forest | Medium | Close to Umawera Bush; part of chain to west | 48 ha Rectangular with 2 indents |
| Popo Stream O05/137 | Rep. site for 2 e.u.s. On limestone | Only site in ED of one veg. type | 4 e.u.s | Medium | Partial link from Omahuta to Tapuwae | 58 ha Mostly compact |
| Otianga Wetland & Riparian O05/138 | Rep. site for 3 e.u.s | Uncommon veg. type on estuarine margin. Wetland | 3 e.u.s Salt/fresh- water/riparian sequence | Secondary forest; some exotics | Buffer to Mangamuka R. | c. 20 ha Narrow |
| Mangataipa S.R. O05/139 | Rep. site for 3 e.u.s. On limestone | Rare forest types. Fauna: 1 threatened. Nationally sign. soils. Flora: 1 District significance | 3 e.u.s Forest adjoining salt/ freshwater interface | High | Buffer to Mangamuka R. | 105 ha Rectangular; split by road |
| Mangamuka- Mangataipa O05/140 | Rep. site for 3 e.u.s | Only site in ED of one veg. type. Fauna: 1 threatened | 3 e.u.s Diversity of rock types | Mosaic of regeneration | Adjoins O05/009 giving sequence from near sea level to >700m | 890 ha Sprawling |
| Waikawa Bush O04/002 | Rep. site for 3 e.u.s | Fauna: 2 threatened | 5 e.u.s | Medium | Close to Herekino Forest | c. 74 ha Compact |
| Otepo O04/006 | Rep. site for 3 e.u.s | 1 uncommon forest type | 5 e.u.s | 2 remnants | | > 12 ha |
| SITE | REPRESENT- ATIVENESS | RARITY/ SPECIAL FEATURES | DIVERSITY AND PATTERN | NATURAL- NESS | BUFFER/ LINKAGE/ CORRIDOR | SIZE AND SHAPE |
| <u>LEVEL ONE SITES</u> | | | | | | |
| Oharae Stream O04/009A | Rep. site for 2 e.u.s | On alluvium | 2 e.u.s | Remnant | Near O04/009 | 4.5 ha |
| Braithwaite's Bush O04/012 | Rep. site for 3 e.u.s | 1 uncommon forest type. Fauna: 2 threatened. Flora: 1 Sparse, 2 District significance | 4 e.u.s | Group of 5 remnants – 2 fenced | Close to O04/013 & 014 | 40 ha Fragmented |

¹ Note that most sites have more than one ecological unit present. This column indicates whether or not the site has been selected as being a representative site for one or more ecological units.

² The rapid quantitative method used in this survey did not cover survey for rare species; in most cases species information in this column has been collated from other databases. It is likely that specific species surveys for all sites would reveal additional data on threatened and rare species, and in the case of Level 2 sites, a change in ranking.

³ Areas in this table have been rounded out. See individual site reports for precise area.

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| Te Ripanga Stream O04/013 | Rep. site for 1 e.u. | Alluvium | 2 e.u.s | Medium | Close to O04/012 | 13 ha Rectangle |
| Church Rd Swamp Forest O04/018 | Rep. site | Alluvium. Divaricating shrubs | 2 e.u.s | Fragmented | Within a km of O04/020 | c. 31 ha Long and narrow |
| Matthews Mission Bush O04/020 | Rep. site for 3 e.u.s | Fauna: 1 threatened. Nationally significant soils | 2 e.u.s | Medium; includes a small remnant | Within a km of O04/018 | c. 38 ha Mostly compact |
| Clough Rd O04/021 | | Fauna: 2 threatened | 3 e.u.s | 4 remnants | Close to O04/022 | c. 24 ha |
| Snelgar Rd O04/022 | | Fauna: 2 threatened | 7 e.u.s. Variety of canopy spp. | 10 remnants | Close to O04/023 | c. 44 ha |
| Cowell O04/022 | | Fauna: 2 threatened | 4 e.u.s | 1 large and 2 small remn. - low | Close to O04/022 & 024 | c. 14 ha |
| Church Rd Remn. O04/025 | | Fauna: 2 threatened | 3 e.u.s | 10 remnants - low | Close to O04/023 | 21 ha |
| Waipokapoka O04/025 | Rep. site for 1 e.u. | Fauna: 1 threatened. Puriri | 4 e.u.s | Fragmented. Medium | Close to O04/ 024, 025 & 027 | c. 55 ha. 2 blocks |
| Oturu O04/027 | | Fauna: 4 threatened. Flora: 1 District sig- nificance. Wetland | 13 e.u.s | Mosaic; some fragmentation | Close to O04/ 033, 038 & 039 | 308 ha |
| Pairatahi Rd O04/031 | Rep. site for 2 e.u.s | Fauna: 1 threatened. Uncommon soil & veg. type; orchids, wetlands | 6 e.u.s | Exotics common | Near O04/031 | c. 126 ha Compact core with outliers |
| Te Mairepaopao O04/033 | Rep. site for 1 e.u. | Fauna: 1 threatened. Flora: 1 District significance | 6 e.u.s | 5 remnants; some regeneration | Close to O04/027 & 035 | 41 ha |
| Dykin Rd Bush O04/033 | Rep. site for 2 e.u.s | Fauna: 2 threatened Flora: 1 District significance | 7 e.u.s | Some fragmentation | Close to O04/027, 033, 036 & 043 | 59 ha Mostly compact |
| Upper Mangatete O04/036 | | Fauna: 1 threatened | 2 e.u.s | Being cleared | Between O04/033 & 038 | 36 ha Fragmented |
| Puriri Block Rd Bush O04/038 | Rep. site for 1 e.u. | Fauna: 1 threatened. Diversity of canopy species | 2 e.u.s. | Medium | Near O04/027 & 039 | > 82 ha Compact |
| Church Rd East O04/039 | Rep. site for 1 e.u. | Fauna: 1 threatened | 3 e.u.s | Strong regeneration | Near O04/027 | 51 ha 2 blocks |
| SITE | REPRESENT- ATIVENESS | RARITY/ SPECIAL FEATURES | DIVERSITY AND PATTERN | NATURAL- NESS | BUFFER/ LINKAGE/ CORRIDOR | SIZE AND SHAPE |
| LEVEL ONE SITES | | | | | | |
| Churton-Atkinson O04/040 | | Fauna: 1 threatened. Some riparian | 2 e.u.s | Regenerating with some exotics | Riparian buffer | 22 ha Compact |
| Whiwhero Strm O04/043 | Rep. site for 2 e.u.s | Fauna: 2 threatened. Some alluvium | 7 e.u.s | Group of 5 remnants | Some riparian buffer | c. 71 ha |
| Mangatete Stream O04/044 | Rep. site for 3 e.u.s | Cabbage tree and puriri on alluvium | 4 e.u.s Diversity of freshwater fish | Discontinuous Some exotics | Shading to stream | 27 ha Ribbon |
| Riley Rd East O04/045 | | Fauna: 2 threatened Flora: 1 District significance | 3 e.u.s | Understorey present | Riparian buffer | > 30 ha Irregular |
| Riley Rd Bush O04/046 | | Fauna: 2 threatened | 4 e.u.s | 2 remnants | Near O04/047 & 048 | c. 16 ha |
| Airstrip Riley Rd O04/47A | Rep. site for 1 e.u. | Fauna: 2 threatened | 3 e.u.s | Mostly regenerating | Steep catchment - riparian protection | c. 25 ha Elongated |

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| Fisher Rd O04/47B | | Fauna: 2 threatened. Small wetland | 4 e.u.s | Medium-high | Near O04/047A & 048 | 26 ha Rectangular |
| Otaha-Ohiritoa O04/048 | Rep. site for 3 e.u.s and largest open water habitat in ED | Fauna: 4 threatened, 2 reg. significant Flora: 1 District significance | 11 e.u.s. Diversity of habitat types | Medium; some fragmentation and regeneration | Includes upper catchment, corridors and riparian buffers | c. 376 ha Mosaic |
| Te Pui Swamp #1 and Bush O04/054 | Rep. site for 1 e.u. | Fauna: 2 threatened. Wetland | 4 e.u.s | Medium | Linked to Foley O04/057 and Fairburn 204 | c. 56 ha Irregular |
| Fairburn 204 O04/055A | | Fauna: 1 threatened | 1 e.u. | Regenerating | Adjoins Foley O04/057 | c. 14 ha Compact |
| Foley O04/057 | | Fauna: 3 threatened Flora: 2 District signif- icance. Small wetland | 3 e.u.s | Medium | Adjoins Fairburn 204 and Te Pui Swamp #1 | > 33 ha Compact |
| Pamapurua Remnants O04/058 | Rep. site for 1 e.u. On limestone | | 7 e.u.s | 7 small remnants | Near O04/058B & 059 | c. 14 ha Fragmented |
| Pipiwai Stream Swamp O04/058A | Rep. site for 2 e.u.s | Fauna: 1 threatened, 2 reg. significant. Large wetland | 3 e.u.s | Medium-high | Between O04/058, 058B and 060 | > 30 ha Long and narrow |
| Thompson Rd #1 O04/058B | Rep. site for 1 e.u. On limestone | Fauna: 2 threatened | 4 e.u.s | Understorey grazed | Near O04/058 & 059 | c. 38 ha 2 compact blocks |
| Switzer Rd O04/060 | Rep. site for 2 e.u.s On limestone | Fauna: 2 threatened | 2 e.u.s | Tall forest, fenced | Near O04/058A and B | c. 7 ha Compact |
| Mangatoetoe Rd O04/061 | Rep. site for 1 e.u. On limestone | Fauna: 1 threatened | 3 e.u.s. Diversity of canopy species | 4 scattered remnants | | > 11 ha |
| Panther Rd O04/062 | Rep. site for 1 e.u. On limestone | | 1 e.u. Diversity of canopy species | Intact canopy | | >2 ha |
| SITE | REPRESENT- ATIVENESS | RARITY/ SPECIAL FEATURES | DIVERSITY AND PATTERN | NATURAL- NESS | BUFFER/ LINKAGE/ CORRIDOR | SIZE AND SHAPE |
| <u>LEVEL ONE SITES</u> | | | | | | |
| Victoria Valley Rd O04/063 | | Fauna: 1 threatened | 4 e.u.s | Remnants | | c. 9 ha 2 blocks |
| Schluter/ Vinac Pekerau O04/064 | Rep. site for 2 e.u.s | Fauna: 1 threatened. | 5 e.u.s | Medium. 1 core block and 4 remnants | Near O04/066 Elongated | > 43 ha |
| Pekerau O04/065 | Rep. site for 2 e.u.s | Fauna: 3 threatened Flora: 1 threatened; 1 District significance | 4 e.u.s | Medium. Recently fenced | Near O04/082 & 084 | c. 20 ha Compact |
| Te Pawa O04/066 | | Fauna: 1 threatened. Flora: 1 Distr. signif. | 6 e.u.s | Medium | Near O04/045, 064, 067 & 082 | c. 125 ha |
| Champion Rd O04/068 | Rep. site for 2 e.u.s | Fauna: 1 threatened. Alluvium | 4 e.u.s. Rip- arian vegetation | Medium | Upstream of O04/044 | c. 22 ha |
| Taumata Bush O04/069 | | Fauna: 3 threatened | 3 e.u.s | Medium | Near O04/068 and O04/081 | c. 17 ha Rectangular |
| Metcalfe Rd O04/070 | Rep. site for 1 e.u. | Fauna: 1 threatened. Puriri | 5 e.u.s | 5 remnants | Gullies in Mangatete Stream catchment | 30 ha Fragmented |
| Kaiherehere Strm O04/071 | | Fauna: 1 threatened. Flora: 1 reg. signif. | 6 e.u.s. Diversity of | Remnants | Upper catchment | c. 65 ha 10 blocks |

| canopy species | | | | | | |
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| Tokatoka Stream O04/072 | | Fauna: 1 threatened. Some alluvium | 3 e.u.s | Remnants | Near O04/071, 073, 057 | c. 16 ha 2 blocks |
| Kaiaka O04/073 | Rep. site for 1 e.u. | Fauna: 4 threatened, 2 reg. significant, 3 endemic snails. Wetland | 11 e.u.s | Regenerating | Adjoins O04/078 mosaic | c. 268 ha Sprawling |
| Beckham Rd O04/078 | | Fauna: 1 threatened | 1 e.u. | Regenerating | Adjoins O04/073 | c. 18 ha |
| Kopuokai O04/079 | | Fauna: 1 threatened | 6 e.u.s | Remnants | Adjoins O04/079, close to 078, 095 | > 46 ha Several blocks |
| Dawson Rd O04/081 | Rep. site for 5 e.u.s | Fauna: 3 threatened. Flora: 1 threatened | 10 e.u.s | Fragmented. Some fenced | Adjoins O04/084, close to O04/069, 071, 082, 086 | 76 ha. Indented and irregular |
| Koturetawhenua Strm O04/082 | Rep. site for 2 e.u.s | Fauna: 2 threatened. Alluvium | 4 e.u.s Mainly riparian | Discontinuous | Buffer to stream | > 54 ha Ribbon |
| Parapara Strm O04/083 | Rep. site for 1 e.u. | Alluvium | 1 e.u. Riparian | Medium | Buffer to stream | > 22 ha |
| Te Ahoponga O04/084 | Rep. site for 3 e.u.s | Fauna: 2 threatened. Only site in ED of rimu forest | 7 e.u.s | Medium | Adjoins O04/081 and 083 | > 525 ha |
| Toatoa Swamp O04/085 | Rep. site for 1 e.u. | Fauna: 1 threatened, 1 reg. significant. Wetland | 1 e.u. | Farmland margin | Near O04/086 | > 4 ha |
| Tuanaki O04/086 | Rep. site for 1 e.u. | Fauna: 2 threatened | 7 e.u.s | Medium | Close to O04/084 and 095 | > 165 ha Irregular |
| SITE | REPRESENT- ATIVENESS | RARITY/ SPECIAL FEATURES | DIVERSITY AND PATTERN | NATURAL- NESS | BUFFER/ LINKAGE/ CORRIDOR | SIZE AND SHAPE |
| <u>LEVEL ONE SITES</u> | | | | | | |
| Te Moho Stream O04/087 | Rep. site for 1 e.u. | Fauna: 1 threatened | 3 e.u.s | Regenerating | Contiguous with O04/088 and 090 | c. 140 ha |
| Kaurinui O04/088 | Rep. site for 2 e.u.s | Fauna: 1 threatened | 9 e.u.s exotics | Medium; some grazing and | Contiguous with O04/087 and 090 | > 283 ha Long, narrow |
| Toatoa Stream O04/089 | Rep. site for 2 e.u.s | | 2 e.u.s. Riparian | | Contiguous with O04/088 | > 8 ha |
| Hikurangi O04/090 | | Fauna: 1 threatened | 6 e.u.s | Some regenerating | Contiguous with O04/088 | c. 450 ha |
| Ryders Creek O04/092 | Rep. site for 1 e.u. | | 2 e.u.s. Estuarine margin | Exotics | Linked to O04/087, 088, 090 | c. 6 ha |
| Paranui-Toatoa Rd O04/093 | | Fauna: 1 threatened | 2 e.u.s | Regenerating | Close to 095 | > 23 ha Compact |
| Kearney O04/094 | Rep. site for 1 e.u. | Fauna: 2 threatened. Flora: 1 Dist. signif. | 6 e.u.s | 4 remnants | Near O04/095 | 29 ha |
| Paranui Scenic Reserve & Environs O04/095 | Rep. site for 5 e.u.s | Fauna: 3 threatened. Flora: 1 Dist. signif. Reg. signif. soil site | 11 e.u.s | Structurally intact; contains large mature trees | Adjoins O04/097, 099 | c. 460 ha |
| Olsen O04/097 | Rep. site for 2 e.u.s | Fauna: 1 threatened | 3 e.u.s | Medium | Adjoins 095 | > 36 ha |
| Burma Rd O04/099 | Rep. site for 1 e.u. | Fauna: 1 threatened | 6 e.u.s | Regenerating | Adjoins O04/095 & links to O04/103, 106 | > 266 ha. 2 large & 2 small blocks |
| Mills O04/100 | | Fauna: 1 threatened | 2 e.u.s | Remnants | Close to 099 | 12 ha 3 blocks |

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|---|------------------------------------|---|--|----------------------------|--|-----------------------------------|
| Paranui Stream Bush & Shrubland O04/103 | Rep. site for 1 e.u | Fauna: 1 threatened | 3 e.u.s | Mostly regenerating | Adjoins O04/106. Buffer to Paranui Stream | > 254 ha Irregular |
| Paranui Stream Swamp O04/106 | Best lowland waterway in ED | Fauna: 2 threatened, 3 reg. significant. Flora: 2 Dist. signif. | 6 e.u.s. Sequence from mangrove, wetland, swamp forest | High | Adjoins O04/103 | > 45 ha Ribbon in 3 sections |
| Mangatoetoe Wetlands O04/107 | | Fauna: 1 reg. signif. Wetland | 1 e.u. | Medium | Near O04/108 | > 5 ha 2 blocks |
| Fairburn 199 O04/108 | | Fauna: 1 threatened | 4 e.u.s | Discontinuous | Near O04/057, 107, 073 | c. 41 ha |
| Wells Rd Sth O04/110 | Rep. site for 3 e.u.s On limestone | Fauna: 1 threatened | 5 e.u.s | Regenerating | Near O04/111 | 55 ha Fairly compact |
| Higginson/Khaine O04/111 | Rep. site for 3 e.u.s | Fauna: 2 threatened. Flora 1 regional & 1 District significance | 5 e.u.s | Ungrazed | Near O04/110 | c. 40 ha Long & narrow |
| SITE | REPRESENT-ATIVENESS | RARITY/SPECIAL FEATURES | DIVERSITY AND PATTERN | NATURAL-NESS | BUFFER/LINKAGE/CORRIDOR | SIZE AND SHAPE |
| <u>LEVEL ONE SITES</u> | | | | | | |
| Kitchen O04/112 | | Fauna: 1 threatened | 1 e.u. | Remnant | Near O04/111 | > 8 ha |
| Te Puhi O04/113 | Rep. site for 1 e.u. On limestone | Rare ecological unit | 1 e.u. | Ungrazed | | 3.4 ha |
| Tracey/Edwards Rds O04/114 | | Fauna: 1 threatened | 2 e.u.s | Remnant | Riparian Near O04/113 | 12 ha |
| Victoria River O04/115 | | Fauna: 1 threatened | 2 e.u.s | Regenerating | Buffer to Raetea Forest & river | c. 47 ha |
| Te Kahikatea Stream O04/115A | | Fauna: 1 threatened | 5 e.u.s | Regenerating | Buffer to O05/009 | c. 130 ha |
| Wells Stream #1 O04/116 | Rep. site for 1 e.u | Alluvium | 1 e.u | 3 remnants | Buffer to Wells Stream | > 10 ha |
| Blue Gorge Swamp O04/120 | Rep. site for 2 e.u.s | One of the largest wetlands in ED | 2 e.u.s Includes open water | Medium | | > 22 ha |
| Tuataranui Stream O04/122 | Rep. site for 3 e.u.s | Flora: 1 Dist. signif. | 6 e.u.s | Regenerating | Near O04/123 & 124 | c. 20 ha Compact |
| Tangikoko Stm O04/123 | Rep. site for 1 e.u | Fauna: 1 threatened. Flora: 1 Dist. signif. | 3 e.u.s Riparian buffer | Regenerating; some exotics | Near O04/122 | > 72 ha |
| Tuataranui Headwaters O04/125 | | Fauna: 1 threatened | 1 e.u | Regenerating | Catchment head. Linked via pines to O04/126 | c. 32 ha |
| Puhoi Reserve O04/126 | Rep. site for 2 e.u.s | Fauna: 3 threatened; 1 reg. significant | 3 e.u.s | Ungrazed. Some emergents | Linked by O04/127 to O05/009 | 240 ha |
| Maungataureia O04/127 | | Fauna: 1 threatened | 6 e.u.s | Mostly fern, regenerating | Links Honeymoon Valley habitats to Maungataniwha | > 92 ha 1 large block & 1 remnant |
| Honeymoon Valley Rd End O04/128 | Rep. site for 1 e.u | Fauna: 2 threatened. Flora: 1 Dist. signif. | 5 e.u.s | High | Adjoins Maungataniwha | 175 ha 2 blocks |
| SE Honeymoon Valley O04/129 | | Fauna: 1 threatened | 6 e.u.s | Regenerating | Corridor from Peria River to Maungataniwha | c. 70 ha Fragmented |

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|-------------------------------------|---------------------------|--|--|--|--|---|
| Honeymoon Valley Culvert O04/130 | | Fauna: 2 threatened Flora: 1 Dist. signif. | 5 e.u.s | Regenerating | Adjoins O04/126 & 128 | c. 75 ha |
| Chadwick 274 O04/131 | | Fauna: 2 threatened. Conspicuous landscape feature | 4 e.u.s | Medium | Near O04/123 & 132 | > 48 ha |
| Peria River O04/132 | | Fauna: 1 threatened | 6 e.u.s | Regenerating | Linked via O04/129 to Maungataniwha | c. 200 ha |
| Ahitahi O04/134 | Rep. site for 1 e.u. | Puriri | 1 e.u. | Remnant. Grazed | Near O04/135 | < 3 ha |
| SITE | REPRESENT- ATIVENESS | RARITY/ SPECIAL FEATURES | DIVERSITY AND PATTERN | NATURAL- NESS | BUFFER/ LINKAGE/ CORRIDOR | SIZE AND SHAPE |
| <u>LEVEL ONE SITES</u> | | | | | | |
| Shepherd Rd O04/138 | Rep. site for 2 e.u.s | Fauna: 1 threatened Flora: 1 Dist. signif. | 10 e.u.s | Regenerating; some exotics. Includes some ungrazed forest | Adjoins Maungataniwha | > 211 h Mostly compact; 1 indent |
| Te Karoa O04/144 | Rep. site for 11 e.u.s | Fauna: 4 threatened, 1 reg. significant Flora: 1 Dist. signif. | 17 e.u.s | High | Adjoins Maungataniwha | > 1300 ha |
| Lacolmville O04/146 | | Fauna: 1 threatened | 1 e.u. | Grazed | Near O04/144 | c. 17 ha |
| Otagaroa O04/149 | Rep. site for 1 e.u. | Fauna: 1 threatened | 4 e.u.s Diversity of canopy species | Medium | Close to Maungataniwha | 81 ha 2 blocks |
| Linssen O04/150 | | Fauna: 1 threatened, 1 reg. significant | 4 e.u.s | Discontinuous | Some riparian buffer | c. 46 ha Fragmented |
| Omahuta Outlier O04/155 | Rep. site for 1 e.u. | Fauna: 1 threatened | 1 e.u. | | Adjoins Puketi- Omahuta | c. 165 ha |
| Te Ranga O04/156 | Rep. site for 8 e.u.s | Fauna: 3 threatened, 1 reg. significant Flora: 1 reg. signif. | 13 e.u.s. Diversity of rock types | Varies from low to high | Adjoins Puketi- Omahuta | c. 1570 ha |
| Pukehinau O04/159 | Rep. site for 2 e.u.s | Fauna: 2 threatened, 1 reg. significant Flora: 2 Dist. signif. | 6 e.u.s | Medium; some regenerating | Adjoins O04/144 | >212 ha Rectangular |
| Oruaiti Headwaters O04/160 | Rep. site for 1 e.u. | Fauna: 1 threatened | 4 e.u.s. Diversity of canopy species | 4 remnants | Adjoins O04/161 | c. 40 ha |
| Paraonui O04/161 | Rep. site for 5 e.u.s | Fauna: 1 threatened, 1 reg. sig. Includes archaeol. sites | 15 e.u.s | Regenerating | | >1000 ha Sprawling, fragmented |
| Ngaraumaunu Strm O04/168 | Rep. site for 1 e.u. | Aquatic fauna | 7 e.u.s. Diversity of aquatic fauna; riparian | Medium | Buffer to streams | > 137 ha Irregular |
| Kohumaru Station O04/174 | Rep. site for 1 e.u. | Fauna: 1 threatened | 5 e.u.s | Remnants; grazed | | >173 ha 6 blocks |
| Kohumaru O04/176 | Rep. site for 3 e.u.s | Fauna: 3 threatened, 1 reg. significant Flora: 1 threatened, 1 Dist. significance | 6 e.u.s | Varies from medium to high | Includes several catchment heads. Links O04/144 and O04/186 | > 900 ha |
| Te Roto Stream O04/179 | Rep. site for 1 e.u. | Fauna: 1 threatened | 2 e.u.s Diversity of | Medium | Buffer to streams | > 46 ha Compact |

| | | | canopy spp. Part between 2 streams | | | |
|--|---|--|---|---------------------------|--|------------------------|
| Kenana Rd Swamp O04/183 | | Wetland | 1 e.u. | Medium | | > 3 ha |
| SITE | REPRESENT- ATIVENESS | RARITY/ SPECIAL FEATURES | DIVERSITY AND PATTERN | NATURAL- NESS | BUFFER/ LINKAGE/ CORRIDOR | SIZE AND SHAPE |
| <u>LEVEL ONE SITES</u> | | | | | | |
| Oruru O04/186 | Rep. site for 9 e.u.s | Fauna: 3 threatened, 2 reg. significant, 1 uncommon. Flora: 1 reg. and 1 Dist. signif. | 21 e.u.s sequence from estuary to hill country | Medium | Linked to Maungataniwha via O04/176 and 144 | >1100 ha |
| Baker O04/193 | | Fauna: 1 threatened | 2 e.u.s | Regenerating | Adjoins O04/186 | > 68 ha |
| Duir O04/194 | | Fauna: 1 threatened. Kiwi reported | 1 e.u. | Regenerating | Close to O04/186 and 193 | 47 ha |
| Backriver Rd O04/195 | Rep. site for 3 e.u.s | Fauna: 2 threatened | 5 e.u.s | 3 remnants | | > 61 ha |
| Garton Block (Aputerewa) O04/196 | Rep. site for 1 e.u. | Fauna: 3 threatened. Flora: 1 Dist. signif. | 4 e.u.s | Fenced | | >115 ha |
| Taipa River East Bank O04/197 | Rep. site for 1 e.u. | Fauna: 2 threatened, 1 endemic. Coastal character | | Most ungrazed | Buffer to Taipa River | > 66 ha |
| Taipa Straight O04/197 | Rep. site for 1 e.u. On coastal sands | Rare forest type | 2 e.u.s | Low | | 3 ha |
| Otengi Bay O04/200 | Rep. site for 2 e.u.s | Fauna: 1 threatened. Flora: 1 reg. signif. Coastal vegetation | 2 e.u.s | Low to medium | Part coastal buffer | c. 3 ha Fragments |
| Otanguru Cliffs O04/201 | Rep. site for 1 e.u. | Coastal vegetation | 1 e.u. | Low to medium | Coastal buffer | c. 7 ha |
| Te Kuihi (Taipa Head) O04/202 | Rep. site for 1 e.u. | Coastal vegetation | 1 e.u. Diversity of spp. Adjoins estuary | Medium | Coastal buffer | > 12 ha |
| Taumarumar O04/203 | Rep. site | Coastal vegetation | 6 e.u.s. Diversity of spp. on cliff | Low to medium; exotics | Part coastal buffer | c. 8 ha Fragmented |
| Coopers Beach O04/204 | Rep. site for 1 e.u. | Coastal vegetation | 1 e.u. | Low | Part coastal buffer | c. 10 ha Fragmented |
| Rangikapiti O04/205 | Rep. site for 1 e.u. | Coastal vegetation | 2 e.u.s | Low to medium; exotics | Part coastal buffer | > 30 ha |
| Paewhenua O04/206 | | Coastal vegetation | 1 e.u. | Regenerating | Coastal buffer | 18 ha |
| Butler Point O04/207 | Rep. site for 1 e.u. | Coastal vegetation | 3 e.u.s | Low | Part coastal buffer | > 12 ha |
| Mangonui Harbour O04/208 | Rep. site for 2 e.u.s | Fauna: 2 threatened, 3 reg. significant. Estuary | 3 e.u.s | Medium to high | | 625 ha |
| SITE | REPRESENT- ATIVENESS | RARITY/ SPECIAL FEATURES | DIVERSITY AND PATTERN | NATURAL- NESS | BUFFER/ LINKAGE/ CORRIDOR | SIZE AND SHAPE |

| <u>LEVEL ONE SITES</u> | | | | | | |
|-------------------------------------|--------------------------|---|--|---|---|------------------------|
| Taipa Estuary O04/209 | Rep. site for 2 e.u.s | Fauna: 2 threatened, 2 reg. significant. Estuary | 3 e.u.s. Part sequence from estuary to hill country | High | Adjoins O04/186 | > 140 ha |
| Whatakau Wetland O04/234 | Rep. site for 1 e.u. | Fauna: 2 reg. signif. One of the largest wetlands in ED | 2 e.u.s | Medium | | 12 ha |
| Hayes Brothers' Farm P04/020 | Rep. site for 1 e.u. | Fauna: 2 threatened | 3 e.u.s Diversity of canopy species | Remnants | Partial linkage from habitats in Whangaroa ED to Puketī Forest | 143 ha 7 blocks |
| Takakuri Stream P04/022 | Rep. site for 1 e.u. | Alluvium | 1 e.u. Riparian | Medium | Buffer to Takakuri Stream | c. 35 ha |
| Whakateterekia Stream P04/023 | Rep. site for 1 e.u. | | 6 e.u.s Diversity of canopy species | Remnants | Partial buffer to stream | c. 16 ha 6 blocks |
| Te Rahui P04/024 | Rep. site for 2 e.u.s | Fauna: 2 threatened. Small wetland | 7 e.u.s | Discontinuous | Linked via pines to habitats in Whangaroa and Puketī EDs | > 142 ha |
| Pupuke-Mangapa P04/026 | | Fauna: 1 threatened | 2 e.u.s | Regenerating | Near O04/156 | < 40 ha |
| Pakewakewa P04/028 | Rep. site for 1 e.u. | | 1 e.u. | Remnant | | > 8 ha |
| Maungaemiemie P04/032 | Rep. site for 1 e.u. | Major landscape feature and unusual landform | 1 e.u. Diversity of canopy species | Medium | Adjoins P04/033 in Whangaroa ED | c. 86 ha |
| Matawherohia Bush P04/037 | Rep. site for 4 e.u.s | Fauna: 3 threatened | 6 e.u.s | Some re- generating, partly discontinuous | Adjoins habitats in Whangaroa & Puketī EDs | > 400 ha |
| Omaunu Rd P04/037A | | Fauna: 1 threatened, 1 reg. significant | 3 e.u.s Diversity of canopy species | Medium | Adjoins P04/037 and habitats in Puketī ED | > 160 ha |
| <u>LEVEL TWO SITES</u> | | | | | | |
| Manoao Stream O05/005 | | Part on alluvium | 6 e.u.s | 7 Remnants | | 17 ha |
| Cemetery Rd O05/006 | | Fauna: 1 threatened | 2 e.u.s | Remnant | | c. 8 ha |
| Tawai Stream O05/015 | | | 4 e.u.s | Low to medium | Contiguous with Maungakotukutuku Stream (Hokianga ED) | 15 ha |
| Broadwood Rd O05/064 | | | 1 e.u. | Some emergents | Near O05/009 | > 6 ha |
| SITE | REPRESENT- ATIVENESS | RARITY/ SPECIAL FEATURES | DIVERSITY AND PATTERN | NATURAL- NESS | BUFFER/ LINKAGE/ CORRIDOR | SIZE AND SHAPE |
| <u>LEVEL TWO SITES</u> | | | | | | |
| Munn Rd O04/003 | | Fauna: 1 threatened | 3 e.u.s | Being cleared | Close to Herekino | c. 20 ha 3 blocks |
| Fryer-Munn Rds O04/004 | | | 5 e.u.s | Small remnants & regeneration | Close to Herekino | c. 75 ha Fragmented |
| Sturmfel Rd O04/005 | | Puriri | 1 e.u. | Remnant | Close to Herekino | > 5 ha |

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| Sunnynook O04/007 | | | 2 e.u.s | Remnant | | > 5 ha |
| Ruaroa Rd O04/009 | | | 3 e.u.s | Remnants | | c. 10 ha 3 blocks |
| Murray O04/010 | Possibly kiwi | | 2 e.u.s | Regenerating; some exotics | Near O05/002 | c. 40 ha |
| Te Rore Stream O04/011 | Small wetland. Some alluvium | | 7 e.u.s | | Some buffer to stream | > 24 ha 3 blocks |
| Te Rore Remnants O04/014 | | | 4 e.u.s | Remnants, grazed | Near O05/009 | c. 19 ha 8 blocks |
| Victoria Valley Remnts O04/015 | Fauna: 1 threatened in 1 block | 4 e.u.s | Remnants | Near O04/115, | > 15 ha 115A | 5 blocks |
| Empire St O04/016 | | | 2 e.u.s | Remnant. Weed pests | | > 4 ha |
| Kaitaia Recycle O04/017 | Large puriri | | 1 e.u. | Grazed remnant | | c. 3 ha |
| Lower Church Rd O04/019 | Kiwi recorded nearby in 1992 | | 2 e.u.s | Remnant | Near O04/020 | 3.7 ha |
| Quarry/Oturu Rd O04/026 | Small wetland | | 5 e.u.s | Remnants | Near O04/025 and O04/027 | c. 19 ha 5 blocks |
| Kareponia O04/030 | Remnant puriri. Podsolized sand on marine terrace/ parabolic dunes | | 2 e.u.s | Regenerating; Exotics present | Near O04/031, 027 and 033 | 140 ha |
| Arawhata Rd O04/032 | Podsolized sand on marine terrace | | 1 e.u. | Regenerating | Near O04/031 and Rangaunu Harbour (Aupouri ED) | > 33 ha |
| Dykin Rd Wetland O04/034 | Wetland | | 1 e.u. | Farmland margin; occasional willow | Near O04/033 and 035 | < 2 ha |
| Paice O04/041 | | | 1 e.u. | Remnant | Near O04/040 and 042 | < 2 ha |
| Atkinson O04/042 | Fauna: 1 threatened. Alluvium | | 2 e.u.s exotics present | Remnants; | Riparian. Between O04/040, 041, 034 and 043 | > 3 ha |
| SITE | REPRESENT- ATIVENESS | RARITY/ SPECIAL FEATURES | DIVERSITY AND PATTERN | NATURAL- NESS | BUFFER/ LINKAGE/ CORRIDOR | SIZE AND SHAPE |
| <u>LEVEL TWO SITES</u> | | | | | | |
| Elstob O04/053 | | | 1 e.u. | Remnant | Near O04/048 and 054 | < 2 ha |
| Te Puhi Swamp #2 O04/056 | Wetland. Flora: 1 Dist. signif. | | 2 e.u.s | Farmland; pines on margin; occasional willow | Near O04/048 and 054 | < 5 ha |
| Thompson Rd Remnts O04/059 | Alluvium/wetland | 5 e.u.s | Remnants | Near O04/058 | c. 18 ha and 058B | 6 blocks |
| Four Crossroads O04/067 | | | 4 e.u.s | Low to medium | Upper catchment. Near O04/066, 068 and 047 | 16 ha |
| Oparera Strm O04/091 | | | 3 e.u.s Some riparian | Secondary vegetation | Partially links O04/090 to 092 | > 23 ha |

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| Taylor (Blue Gorge) O04/096 | Kiwi likely | 3 e.u.s | Low | Steep escarpment. Close to 095, 097 | c. 27 ha 2 blocks | |
| Taylor Rd O04/102 | Alluvium | 2 e.u.s | Small remnants | Near O04/103 | 4 ha 3 blocks | |
| Wells Rd West/ Fairburn O04/109 | Fauna: 1 threatened | 2 e.u.s | Remnant | Near O04/110 and 111 | < 5 ha | |
| Wells Stream #2 O04/117 | | 4 e.u.s | Remnants | Between O04/116, 125 and 126 | < 6 ha | |
| Lloyd O04/118 | Flora: 1 Dist. signif. | 4 e.u.s Diversity of canopy species | Remnants | Part logged | c. 11 ha | |
| Blue Gorge O04/119 | | 5 e.u.s Mangaeo | Remnants | Near O04/073 | < 14 ha | |
| Tuataranui Strm Wetland O04/121 | Wetland | 2 e.u.s | Margins farmland; some willow | Between O04/019 and 122 | > 5 ha | |
| Peria Valley Rd O04/124 | Kiwi likely. Flora: 1 Dist. signif. | 2 e.u.s | Mostly regenerating | Near O04/122 and 123 | c. 20 ha | |
| Puhangatohoraka O04/135 | Kiwi reported. Conspicuous landscape feature | 2 e.u.s | Grazed. Exotic weeds | | c. 175 ha | |
| Te Awapuka Strm O04/136 | | 1 e.u. | Remnant | Close to O04/135 | c. 8 ha | |
| Whatakau Strm O04/137 | | 2 e.u.s | Remnants | Some riparian buffer | < 3 ha | |
| Pirihaka Rd O04/147A | | 1 e.u. | Remnant | Almost contiguous with O04/144 | < 3 ha | |
| Otamatai Strm O04/148 | Kiwi likely. Small wetland | 3 e.u.s | 1 remnant ungrazed; Wetland modified | Near O05/009 and O04/144 | 5 ha 3 blocks | |
| SITE | REPRESENT- ATIVENESS | RARITY/ SPECIAL FEATURES | DIVERSITY AND PATTERN | NATURAL- NESS | BUFFER/ LINKAGE/ CORRIDOR | SIZE AND SHAPE |
| <u>LEVEL TWO SITES</u> | | | | | | |
| Airstrip Rd Remnant O04/151 | | 1 e.u. Diversity of canopy species | Remnant | Near O04/144 | < 5 ha | |
| Airstrip Rd Swamp O04/152 | Wetland | 1 e.u. | | Near O04/144 | c. 2 ha | |
| Otangaroa 177 O04/153 | | 1 e.u. | Remnant | Near O04/144 | 6 ha | |
| Wainui River O04/154 | Fauna: 1 threatened (banded kokopu) | 3 e.u.s | Discontinuous | Riparian buffer to Wainui River | c. 35 ha 3 sites | |
| Maungahotoa O04/175 | Kiwi likely | 2 e.u.s | Remnant | Riparian. Near O04/161, 174, 176 and 144 | c. 12 ha | |
| Kohumaru Summit O04/180 | Kiwi recorded close by in 1996 | 2 e.u.s | Remnants grazed | Near O04/176 | c. 9 ha 2 blocks | |
| Saleyards 236 O04/189A | Kiwi likely | 2 e.u.s | Regenerating | Near O04/186 and 179 | > 38 ha | |
| Reid O04/199 | Near coast | 1 e.u. | Regenerating | | c. 3 ha | |
| Waihapa Quarry P04/019 | | 1 e.u. | Regenerating | Contiguous via pines to P04/020 | c. 72 ha | |

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| Kaingapipiwai P04/021 | Kiwi likely | 6 e.u.s | Regenerating | Contiguous via pines to P04/020 | c. 45 ha |
| Popoti Stream P04/021A | | 3 e.u.s | | Riparian. Contiguous via pines to P04/020 and 019 | 5 ha |
| Marapiu-Patunga P04/027 | Kiwi possible | 4 e.u.s | Regenerating | Near P04/021, 028 | 132 ha |

