

4. Site descriptions

Midpoint grid references are given for contiguous sites. Individual grid references are given for sites containing more than one remnant.

Vegetation types within ecological units describe abundant/dominant and common canopy species. If there is more than one canopy species, and the species are all common within the canopy, they are listed alphabetically.

Where available, the percentage cover of ecological units has been included in the site descriptions.

Records of threatened flora and fauna have been sourced from herbaria and other databases and information systems mentioned in Section 2.1, or were direct observations by Department of Conservation staff during the course of this survey. The status of all records was checked prior to inclusion in this report. The Fauna section of each site report is focused on significant fauna only. See Appendix 8.4 for fauna lists in the Hokianga Ecological District.

“Not surveyed” is written in the Fauna section of the site descriptions if, at the time of publication, the Department of Conservation, Northland Conservancy did not have any information on significant fauna species.

4.1 LEVEL 1 SITES

SITE NAME	SURVEY NO.	GRID REF.
Herekino Harbour	N05/041	N05 276 580
Eaton Rd Bush	O05/009A	O05 404 627
Mangakotukutuku Stream Forest	O05/016	O05 399 654, O05 402 661, O05 400 666
Otaneroa Stream Remnants	O05/018	O05 382 671, O05 392 670, O05 389 666
Waiotehue Reserve	O05/019	O05 392 662
Pearce Block Remnants	O05/020	O05 377 662, O05 380 660, O05 375 656
Wiseman Block	O05/022	O05 382 650
Upper Uwhiroa Catchment Remnants	O05/023	O05 358 650, O05 355 647, O05 360 640, O05 347 339, O05 363 655, O05 367 651
Central Waiotehue Rd Bush	O05/024	O05 392 641, O05 386 635, O05 389 640
Otaneroa Scenic Reserve	O05/025	O05 393 628
Tongaroa Stream Remnant	O05/030	O05 340 634
Dysart/Powell Rd Bush	O05/032	O05 327 611, O05 317 616, O05 313 611
Upper Herekino River	O05/033	O05 298 602, N05 297 605, N05 301 612
Pauanui Bush	O05/035	O05 325 556, O05 326 547, O05 330 541
Ngatauhe Stream Remnants	O05/037	O05 312 535, O05 310 546, O05 316 546

SITE NAME	SURVEY NO.	GRID REF.
Rotowhenua River Shrubland	O05/037A	O05 320 539
Kohe Bush	O05/045	O05 372 532, O05 368 543
Kohe Stream Remnants	O05/046	O05 351 549, O05 353 547
Awaroa River Rd Remnant	O05/048	O05 369 563
Haumanga Rd Wetland	O05/049	O05 367 584, O05 365 578, O05 361 578
Rotokakahi River & Surrounds	O05/052	O05 399 543
Pareokawa Bush	O05/054	O05 388 578, O05 392 576, O05 394 567, O05 378 567
Mangonuiowae Bush	O05/055	O05 420 563, O05 406 562, O05 413 575, O05 422 574, O05 431 569, O05 437 566
Waiotehue Rd Bush	O05/056	O05 395 604, O05 401 609
Tutaetohia Stream Remnant	O05/059	O05 418 614
Pukemiro Remnants	O05/060	O05 421 588, O05 432 595, O05 434 595
Broadwood Riparian Remnants	O05/061	O05 458 604, O05 378 599, O05 463 598, O05 363 602, O05 466 597, O05 482 597, O05 473 598
Ngatieke Airstrip Bush	O05/066	O05 524 585
Landcorp Pamonga Remnants	O05/067	O05 496 574, O05 494 576, O05 495 580, O05 507 579
Humphreys Bush	O05/071	O05 461 555, O05 469 545, O05 473 554, O05 476 553, O05 458 531
Kawaka Stream Remnant	O05/075	O05 417 528
Wharekauere Bush Remnants	O05/087	O05 515 425, O05 526 420, O05 532 431
Te Karaka Point Coastal Forest	O05/089	O05 472 415
Lower Waihou Swamp & Shrubland	O05/090	O05 443 432, O05 455 426
Motuti Coastal Remnants	O05/091	O05 470 445, O05 487 453
Panguru/Pukepoto Shrublands	O05/094	O05 446 451, O05 450 462
Matawera Rd Bush	O05/096	O05 493 462, O05 489 467, O05 486 476, O05 500 472
Tapuwae Scenic Reserve	O05/097	O05 522 467
Tapuwae River Bush	O05/098	O05 522 481
Tapuwae Wetland	O05/099	O05 501 485
Wairupe Forest Remnant	O05/111	O05 559 490
Motukaraka Remnant	O05/112	O05 573 474
Blue Mountain Rd Bush	O05/114	O05 591 493, O05 572 497
Tapuwae Forest & Outliers	O05/115	O05 522 522
Te Karae Station Remnants	O05/116	O05 522 560, O05 525 569
Maungapohatu Bush	O05/117	O05 570 570, O05 562 565
Pukekohe Stream Bush	O05/118	O05 536 535
Pamonga-Mata Rd Association	O05/119	O05 548 534, O05 555 545
Pahangahanga Remnant	O05/120	O05 565 539
Mata Rd Intersection Remnant	O05/122	O05 570 555
Te Tio Rd Bush	O05/123	O05 600 535, O05 606 527
Oraoa Stream Saltmarsh	O05/124	O05 570 587
Umawera Bush	O05/125	O05 607 575
Rangiahua Wetland	O05/128	O05 690 552
Whangape Harbour	O05/143	O05 334 534
Waiwhakaruku Bush	O05/146	O05 479 528

SITE NAME	SURVEY NO.	GRID REF.
Orira River Remnants	O05/148	O05 626 546, O05 621 547, O05 637 528, O05 624 525, O05 615 517
Rawhia Remnants	O05/149	O05 659 537, O05 642 521
Hautau Stream Remnant	O05/151	O05 682 544
Hokianga Harbour	O05/152	O05 454 399, O05 559 450
Runaruna Mud Volcano	O05/154	O05 420 546
Herbert Rd Swamp Forest	O05/155	O05 373 526
Reena Bush	O05/156	O05 391 408
Opara Rd QEII Remnant	O05/157	O05 524 402
Northern Mataraua Forest	O06/002	O06 683 337
Waoku Rd Bush	O06/003	O06 663 339, O06 657 331
Classens/Duddys Bush	O06/004	O06 603 399, O06 627 408, O06 508 425, O06 625 414, O06 634 381, O06 619 408
Upokowhau Forest Remnant	O06/006	O06 550 355
Karangi Bush Remnants	O06/007	O06 558 374, O06 550 372
Vujcich Rd Swamp	O06/008	O06 534 374
Wheoki Stream/Pukemaire Remnants	O06/009	O06 507 393, O06 507 382, O06 498 391, O06 507 388, O06 518 382
Te Hurunga Forest	O06/010	O06 436 375, O06 428 385
Otawhiti Bush	O06/012	O06 490 382, O06 496 385
Waoku Coach Rd Wetlands	O06/032	O06 655 306, O06 648 299
Whawharu Swamp	O06/033	O06 688 372
Hokianga North Head Coastal Associations	O06/034	O06 405 355
Rangi Point Remnants	O06/035	O06 447 370, O06 445 380
Araiwhenua Stream Swamp Forest Remnants	P06/016	P06 778 296, P06 781 301
Ninihi Rd Swamp & Catchment	P06/020	P06 762 323
Mangatawa Stream Forest Remnants	P06/021	P06 729 346, P06 733 347, P06 727 341, P06 728 349
Mangatawa Bush	P06/022	P06 718 329, P06 703 314
Taumatawhauwhau Forest Outlier	P06/023	P06 746 294
Amazon Rd Forest	P06/027	P06 734 324, P06 736 320, P06 739 317

HEREKINO HARBOUR

Survey no. N05/041
Survey date 12 December 1994
Grid reference N05 276 580
Area 490 ha
Altitude sea level

Ecological unit

(a) Mangrove forest on estuary



Herekino Harbour N05/041

Each grid is 1000m x 1000m

and = 100 ha

S = shrubland

F = forest

W = wetland

E = estuarine

D = duneland

- (b) Sea rush saltmarsh on estuary
- (c) Oioi-sea rush saltmarsh on estuary

Landform/geology

Drowned river valley with dune areas bounding the river mouth.

Vegetation

(a) Below the head of the harbour (immediately south of site O05/033 Upper Herekino River Remnants) mangroves with sea rush and saltmarsh ribbonwood occur.

(b) Sea rush is dominant in an extensive saltmarsh. Oioi and pohuehue are present.

(c) Oioi and sea rush with raupo, manuka and saltmarsh ribbonwood also occur.

Further down the harbour, tall mangroves, type (a) occur on either side of the channel with sea rush in places along the landward edge.

In the Puhata Stream, there are lower mangroves, with sand flats, sea rush and pohuehue along the southern edge.

Fauna

The harbour has been incompletely surveyed for fauna. The following bird species have been recorded:

Australasian bittern (Nationally Endangered), Caspian tern (Nationally Vulnerable), white-fronted tern (Gradual Decline), Northern NZ dotterel, banded rail, pied shag, little black shag, and NI fernbird (all Sparse). Variable oystercatcher (Regionally significant species). Other important avifauna includes bar-tailed godwit and lesser knot.

Fish: redfinned bully and inanga recorded in 2001 from Puhata Creek tributary.

Significance

High-quality estuarine habitat supporting many threatened species.

Representative site for all ecological units.

EATON RD BUSH

Survey no.	O05/009A
Survey date	18 November 1994
Grid reference	O05 404 627
Area	67 ha (61 ha forest, 6 ha shrubland)
Altitude	50-150 m asl

Ecological unit

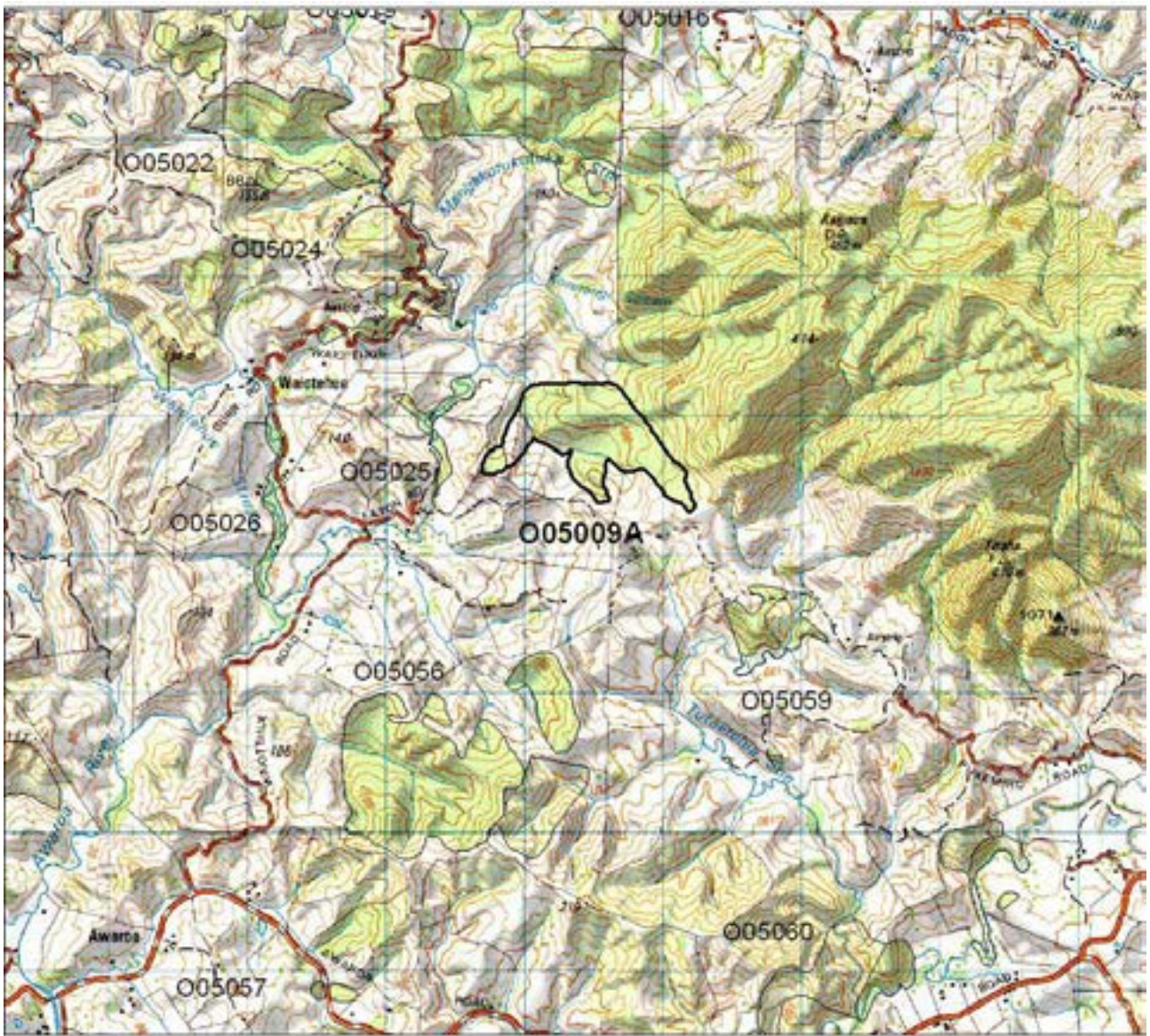
- (a) Taraire-towai forest on hillslope
- (b) Kanuka shrubland on hillslope
- (c) Bracken-ring fern fernland on hillslope
- (d) Towai shrubland on hillslope

Landform/geology

Hillslope on Mangakahia Complex sandstone adjoining Tangihua igneous rocks.

Vegetation

(a) A remnant of taraire and towai forest with frequent totara and occasional puriri, rewarewa, rimu, kahikatea and tawa is linked to Raetea Forest by type (b) kanuka shrubland between 4-6 m tall and type (c) bracken and ring fern fernland.



Eaton Rd Bush O05/009A

Each grid is 1000m x 1000m
and = 100 ha.

- S = shrubland
- F = forest
- W = wetland
- E = estuarine
- D = duneland



(d) On the forest edge towai shrubland occurs with occasional kahikatea, mamaku, ponga, five-finger, totara, rewarewa, and pampas.

Fauna

NI brown kiwi (Serious Decline) has been reported at this site.

Significance

An extension of the Maungataniwha Forest tract which lies on Tangihua complex igneous rocks but the site is lying in this Ecological District due to its geological foundation on Mangakahia complex sandstone.

It provides a buffer to the main forest tract and is habitat for kiwi.

Only record of type (c) in the Ecological District.

The Department of Conservation administers 15 ha of this site as Conservation Covenant.

MANGAKOTUKUTUKU STREAM FOREST

Survey no.	O05/016
Survey date	18 November 1994
Grid reference	O05 399 654 O05 402 661 O05 400 666
Area	155 ha (139 ha forest, 16 ha shrubland)
Altitude	60–40 m asl

Ecological unit

- (a) Towai–kanuka/manuka shrubland on hillslope
- (b) Manuka shrubland on hillslope
- (c) Kanuka shrubland on hillslope
- (d) Taraire-towai secondary forest on hillslope
- (e) Kahikatea–taraire forest on hillslope
- (f) Kanuka–totara forest on hillslope
- (g) Kahikatea secondary forest on hillslope

Landform/geology

Dissected hill country of Mangakahia Complex sandstone, including headwaters of some stream catchments.

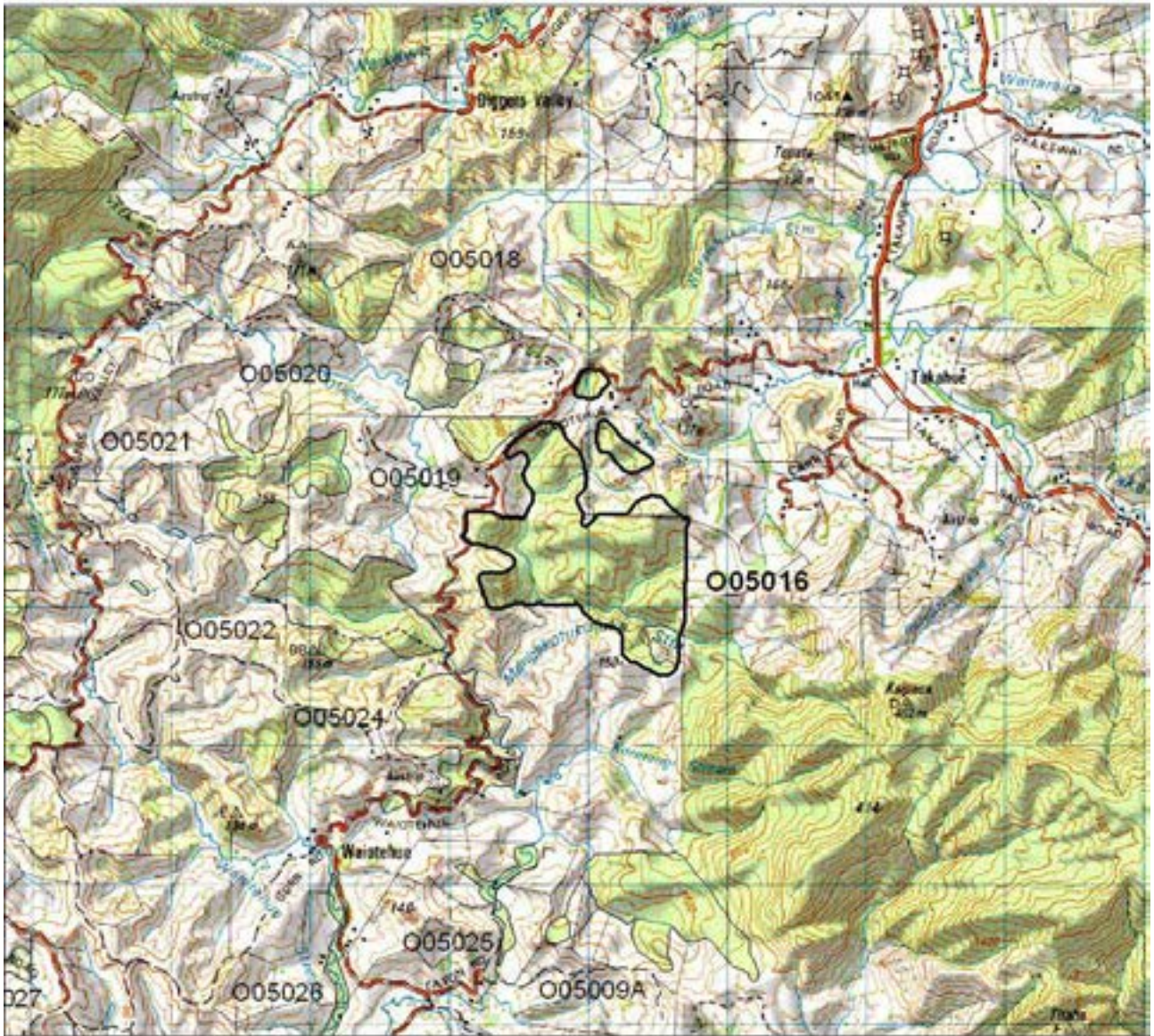
Vegetation

Much of the area consists of regenerating manuka, kanuka and towai types (a) and (c).

(a) Towai is abundant with common kanuka/manuka and occasional kahikatea, totara, ti kouka, and ponga. Close to the road the composition of species is similar but is only 4 m high.

(b) Dominant manuka about 2 m tall, sometimes up to 3 m, but discontinuous with bracken and grass.

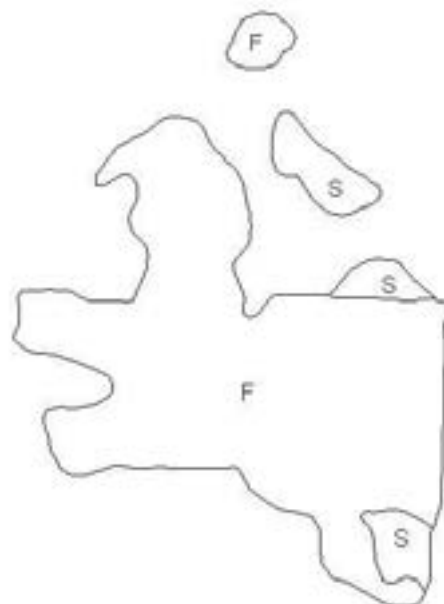
(c) Kanuka is common with frequent towai and occasional kauri, rewarewa, kahikatea, rimu and ti kouka.



Mangakotukutuku Stream Forest O05/016

Each grid is 1000m x 1000m
and = 100 ha.

- S = shrubland
- F = forest
- W = wetland
- E = estuarine
- D = duneland



(d) Taraire and towai association (away from the margins) with occasional totara, puriri, tawa, kahikatea, kauri and rimu.

(e) Kahikatea and taraire are common near the road south of the Waiotehue Reserve. Occasional species include pukatea, puriri, rewarewa, towai, totara and rimu. Pukatea is a feature of this particular area. The understorey contains mahoe, pigeonwood, five-finger, pate, rangiora, tree ferns and *Astelia* sp.

(f) Kanuka and totara are common in the northern part with occasional ti kouka, rewarewa, mamaku, and towai.

(g) A small area of secondary kahikatea forest occurs with the occasional pukatea, rimu, rewarewa, towai, taraire and puriri.

Significant flora

Pittosporum virgatum (Sparse) and *Loxosoma cunninghamii* (Regionally significant species).

Fauna

NI brown kiwi (Serious Decline), kukupa (Gradual Decline) and kauri snail (Gradual Decline).

Significance

A large area contiguous with Raetea Forest.

Presence of threatened species of national and regional significance.

Type (a) towai-kanuka/manuka shrubland is unrecorded elsewhere in the Ecological District.

Conservation Covenant of 94 ha, administered by the Department of Conservation protects 60.6% of this site.

OTANEROA STREAM REMNANTS

Survey no.	O05/018
Survey date	20 December 1994
Grid reference	O05 382 671 O05 392 670 O05 389 666
Area	54.9 ha (41.9 ha forest; 13 ha shrubland)
Altitude	60-100 m asl

Ecological unit

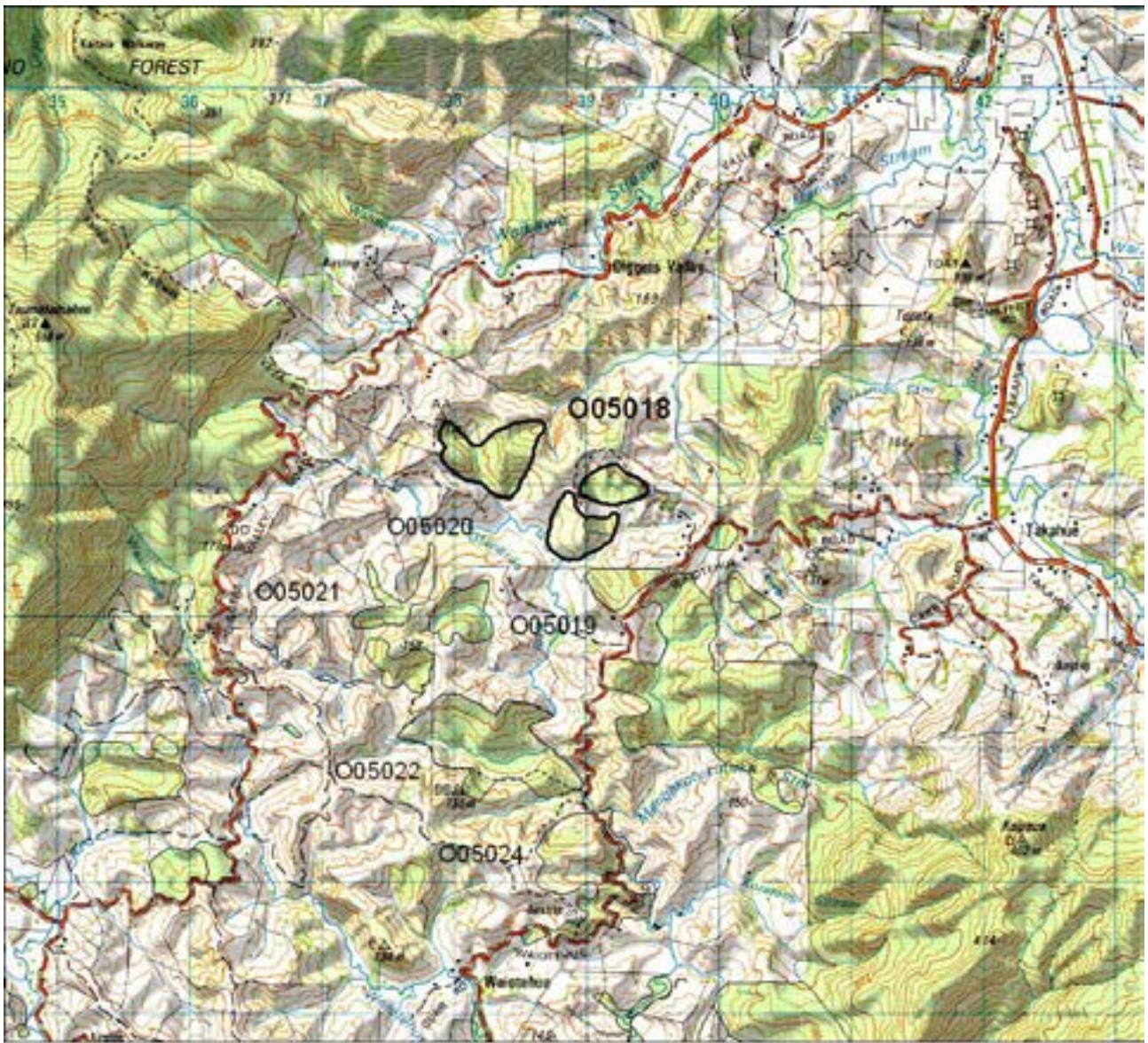
- (a) Taraire-towai forest on hillslope
- (b) Kanuka forest on hillslope
- (c) Taraire forest on hillslope
- (d) Kahikatea secondary forest in gully and hillslope
- (e) Kanuka shrubland on hillslope

Landform/geology

Dissected hill country on Mangakahia Complex sandstone and siliceous mudstone.

Vegetation

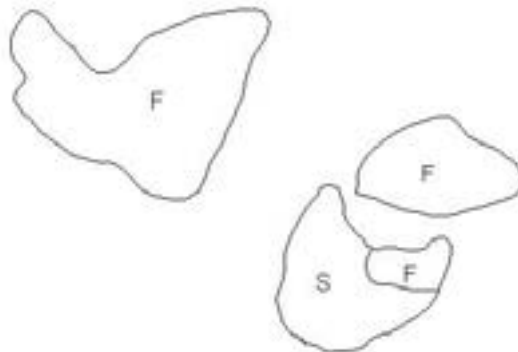
This site consists of three remnants all in close proximity to Herekino and Raetea Forests.



Otaneroa Stream Remnants O05/018

Each grid is 1000m x 1000m
and = 100 ha.

- S = shrubland
- F = forest
- W = wetland
- E = estuarine
- D = duneland



(a) Taraire and towai association occurs in the western most areas with puriri and northern rata occurring frequently. Rimu, kahikatea, totara, tawa, pukatea and rewarewa occur with occasional kauri on the ridges. This area was being grazed at the time of survey.

(b) A few hundred metres to the east of type (a), kanuka of varying height is dominant with frequent kahikatea. Puriri, mamaku and ti kouka are occasional.

(c) To the north of type (b) taraire is abundant and towai frequent. Lancewood and white maire also occur. This area is otherwise similar to the first area, except that kauri is absent.

Ponga is abundant in the understorey. Houhere, mahoe, small-leaved milk tree, pigeonwood, kiekie, putaputaweta, mingimingi and several *Coprosma* species are also present, as are most of the common ferns.

(d) Secondary kahikatea forest occurs on the margin of type (b).

(e) Kanuka abundant shrubland (2–4 m tall) occurs in the southernmost remnant with the occasional kahikatea.

Fauna

NI brown kiwi (Serious Decline), kukupa (Gradual Decline) and kauri snail (Gradual Decline).

Significance

A range of vegetation types contributing to a corridor between Herekino and Raetia Forests and habitat for threatened species.

WAIOTEHUE RESERVE

Survey no.	O05/019
Survey date	18 November 1994
Grid reference	O05 392 662
Area	12 ha
Altitude	60–120 m asl

Ecological unit

- (a) Taraire secondary forest on hillslope (25%)
- (b) Kahikatea secondary forest on ridge (20%)
- (c) Kahikatea–towai secondary forest on ridge (20%)
- (d) Kanuka/manuka–kauri forest on ridge (25%)
- (e) Manuka shrubland on ridge (10%)

Landform/geology

Dissected hill country on Mangakahia Complex siliceous mudstone.

Vegetation

A mosaic of vigorous secondary growth.

- (a) Abundant taraire with frequent towai and scattered kauri, puriri, rimu, kahikatea, totara, rewarewa, kawaka and pukatea.
- (b) Abundant kahikatea with occasional rewarewa, towai, rimu and mamaku.
- (c) Towai and kahikatea are common with frequent kanuka and occasional puriri, kauri, rimu and totara.



Waiohau Reserve O05/019

Each grid is 1000m x 1000m
and = 100 ha

S = shrubland
F = forest
W = wetland
E = estuarine
D = duneland

(d) Kanuka/manuka and kauri association with frequent rimu.

(e) Manuka shrubland to 6 m in height occurs on the ridge.

Swamp maire, miro, and northern rata are also present within the site.

The sub-canopy contains abundant mamaku, frequent pigeonwood, heketara, *Gabnia* sp. and occasional mapou.

Fauna

NI brown kiwi (Serious Decline), kukupa (Gradual Decline), and kauri snail (Gradual Decline).

Significance

Representative site for vegetation types (a) to (d) showing excellent examples of secondary broadleaf-podocarp-kauri forest types and the only kanuka/manuka-kauri forest, type (d), vegetation type recorded in the Ecological District.

Presence of threatened species.

The Department of Conservation administers 11 ha of Stewardship Land within this site.

PEARCE BLOCK REMNANTS

Survey no.	O05/020
Survey date	20 December 1994
Grid reference	O05 377 662
	O05 380 660
	O05 375 656
Area	41 ha
Altitude	c. 60-120 m asl

Ecological unit

- (a) Taraire forest on hillslope
- (b) Kahikatea-taraire forest on hillslope
- (c) Kahikatea-puriri forest on hillslope
- (d) Taraire-towai forest on hillslope
- (e) Kanuka-towai forest on hillslope
- (f) Taraire-towai forest on hillslope

Landform/geology

Valley wetlands and ponds in an area of Mangakahia complex sandstone.

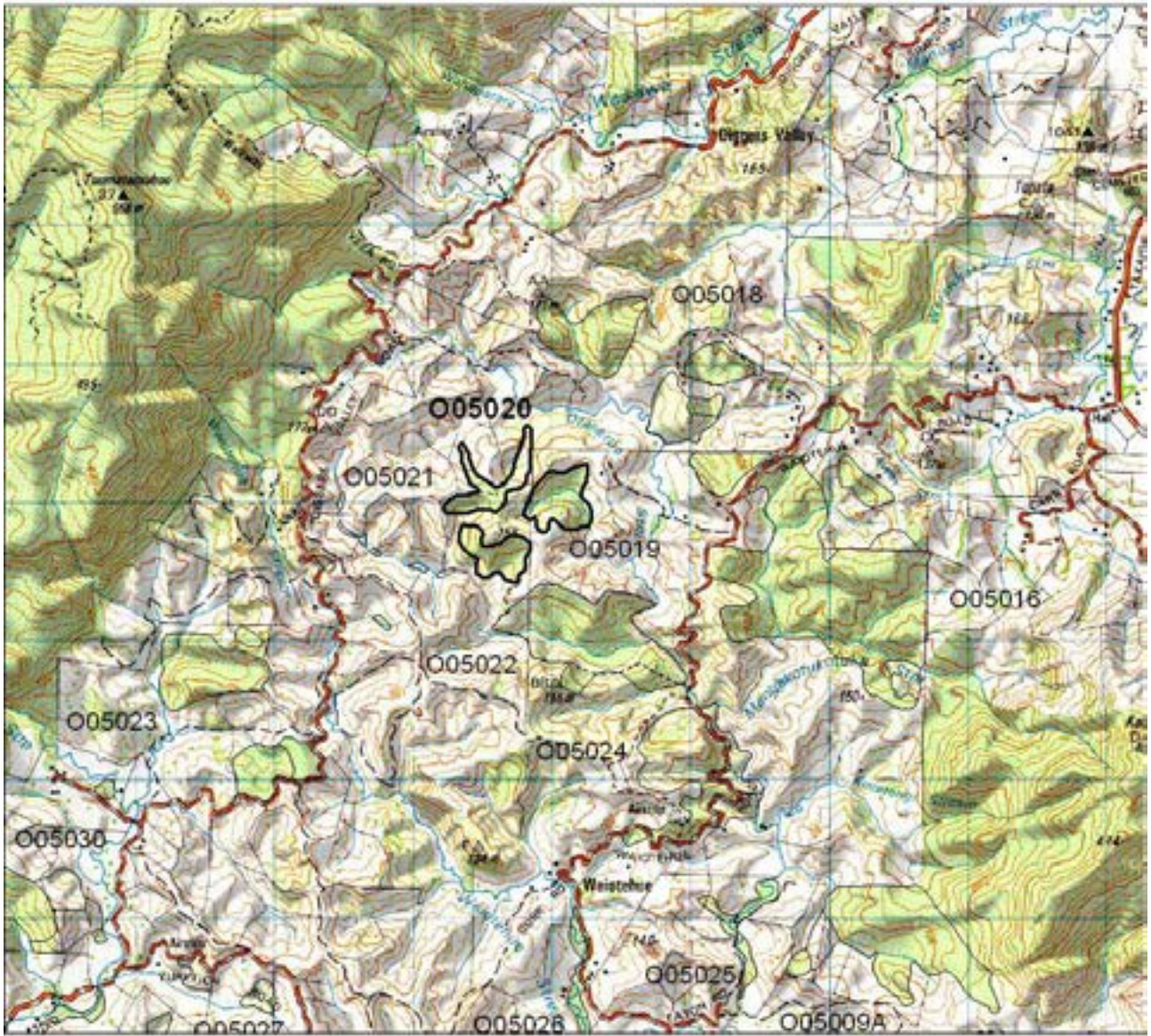
Vegetation

A series of broadleaf-podocarp remnants around which pines have recently been planted (1994-1995).

- (a) The northern block is mostly taraire-dominant with frequent puriri and kahikatea. Also occurring are towai, nikau, mamaku, rewarewa, rimu, pukatea, northern rata and kauri.
- (b) About 5% of the area is kahikatea and taraire forest with occasional nikau, ti kouka, towai and totara.
- (c) The western block is kahikatea and puriri with frequent taraire and occasional nikau, rewarewa, rimu, northern rata, totara and kauri.
- (d) Around 90% of the eastern block is taraire and towai forest with frequent kahikatea and occasional rimu, northern rata, rewarewa, and puriri.
- (e) The remaining area is towai and kanuka with frequent rimu and occasional kauri, northern rata and rewarewa.
- (f) The southern block is taraire and towai with occasional northern rata, puriri, rewarewa, kohekohe, mamaku, rimu, kahikatea, totara and macrocarpa.

Significant flora

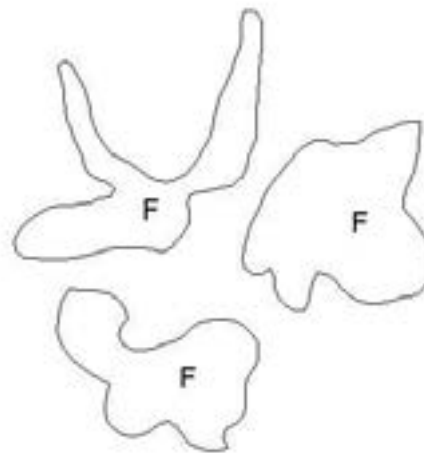
Pittosporum virgatum (Sparse) recorded from this site in 1986.



Pearce Block Remnants O05/020

Each grid is 1000m x 1000m
and = 100 ha.

- S = shrubland
- F = forest
- W = wetland
- E = estuarine
- D = duneland



Fauna

Not surveyed by the Department of Conservation. NI brown kiwi (Serious Decline) has been reported from this site.

Significance

Habitat for kiwi.

These are remnants providing potential seasonal food source for kukupa and a corridor between Herekino and Raetea Forests via pine plantations. The remnants may provide a refuge for fauna during plantation harvesting.

Representative site for type (c) kahikatea-puriri forest and the only example of its type recorded in the Ecological District.

A Department of Conservation Conservation Covenant protects 13.8 ha of this site.

WISEMAN BLOCK

Survey no.	O05/022
Survey date	18 November 1994
Grid reference	O05 382 650
Area	61 ha
Altitude	c.50-120 m asl

Ecological unit

- (a) Taraire-towai forest on hillslope
- (b) Kahikatea secondary forest on toeslope
- (c) Raupo reedland in valley bottom

Landform/geology

Dissected hill country on Mangakahia Complex sandstone.

Vegetation

(a) A large area of tall forest in which taraire and towai are common. Scattered throughout are totara, kahikatea, tawa, pukatea, rewarewa, puriri, kauri, miro, nikau and emergent rimu and northern rata.

(b) In lower sites there are pockets of kahikatea. Ponga, nikau, kiekie and kohekohe occur in gullies.

(c) In the valley there is a marshy stream containing raupo, sedges and rushes, with wineberry and kotukutuku.

Fauna

Kukupa and kauri snail (both Gradual Decline). NI brown kiwi (Serious Decline) has been reported at this site.

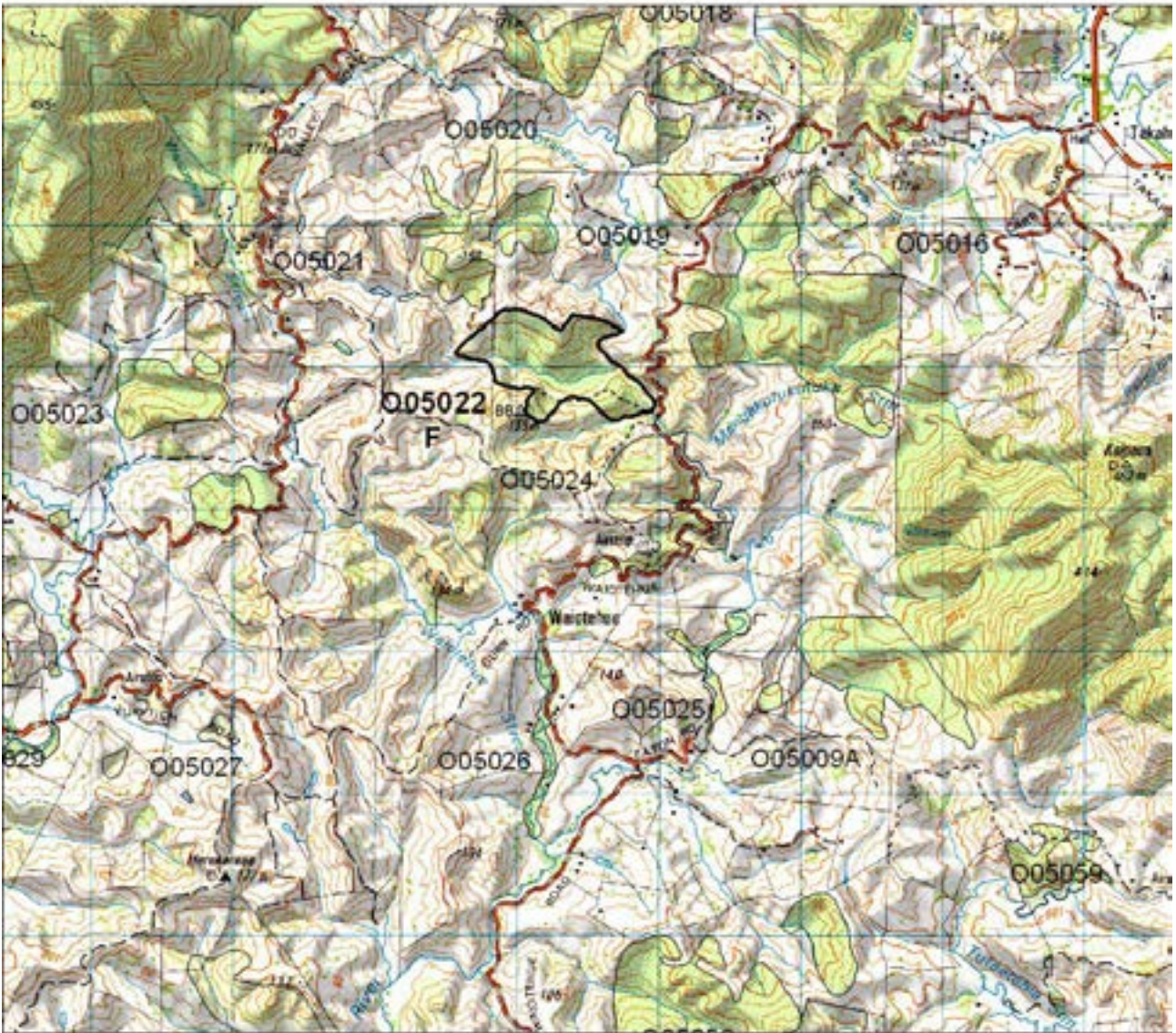
Significance

A large, diverse area with a good range of age classes including emergents.

Presence of three threatened species.

Representative site for type (a) taraire-towai forest.

A Department of Conservation Conservation Covenant protects 31.4 ha of this site.

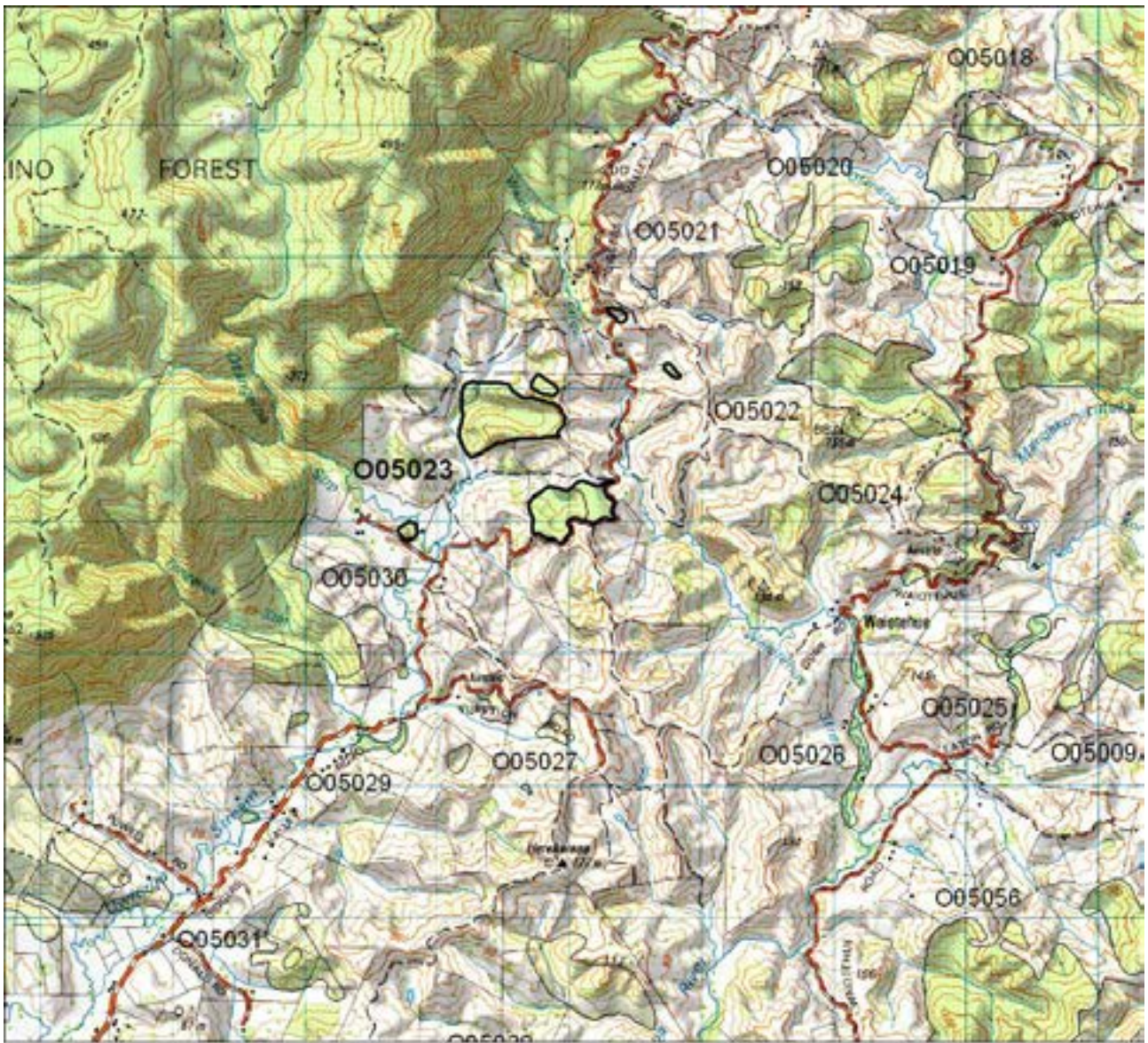


Wiseman Block O05/022

Each grid is 1000m x 1000m
 and = 100 ha
 S = shrubland
 F = forest
 W = wetland
 E = estuarine
 D = duneland

UPPER UWHIROA CATCHMENT REMNANTS

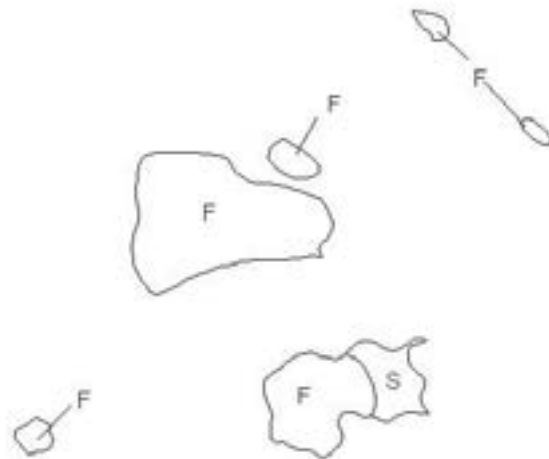
Survey no.	O05/023
Survey date	21 November 1994
Grid reference	O05 358 650, O05 355 647, O05 360 640 O05 347 639, O05 363 655, O05 367 651
Area	54 ha (48 ha forest, 6 ha shrubland)
Altitude	c.30-100 m asl



Upper Uwhiroa Catchment Remnants O05/023

Each grid is 1000m x 1000m
and = 100 ha.

- S = shrubland
- F = forest
- W = wetland
- E = estuarine
- D = duneland



Ecological unit

- (a) Northern rata-taraire forest on hillslope
- (b) Taraire forest on hillslope
- (c) Manuka-totara-towai forest on hillslope
- (d) Manuka-totara shrubland on hillslope
- (e) Manuka shrubland on hillslope
- (f) Towai shrubland on hillslope
- (g) Kahikatea-taraire forest in gully

Landform/geology

Dissected hill country including headwater catchments on Mangakahia Complex sandstone.

Vegetation

Two main bush areas and four small outlying remnants.

- (a) The largest area of bush consists mainly (80%) of tall northern rata and taraire forest and frequent kahikatea. Other species present are tawa, miro, rewarewa, nikau, mahoe, pigeonwood, towai, rimu, totara, kauri and pukatea.
- (b) In about 10% of this remnant, taraire is common with kauri frequent. Totara, rimu, rewarewa, and kahikatea are occasional.
- (c) Manuka, totara and towai occurs in about 10% of the remnant with occasional mamaku and rewarewa.

Type (b), taraire forest, occurs in about 60% of the southern remnant alongside Diggers Valley Rd. A range of species are occasional including rewarewa, nikau, tawa, rimu, pukatea, puriri, totara, kahikatea, towai, kohekohe, northern rata and epiphytic puka.

A mosaic of regeneration occurs on the northern end of this remnant including:

- (d) Manuka and totara shrubland with frequent towai and occasional ti kouka and rewarewa.
- (e) Manuka shrubland between 3–6 m with scattered mamaku, rewarewa, and pate.
- (f) Further up Diggers Valley Rd, on the opposite side is a fenced area of towai shrubland.
- (g) In a gully to the east is a tiny kahikatea and taraire remnant in which kukupa have been reported to nest.

To the south on the edge of Otangaroa Stream is a very small taraire remnant, type (b), which contains occasional pukatea, rewarewa, towai, kahikatea, totara and kowhai.

Fauna

Kukupa (Gradual Decline) and NI brown kiwi (Serious Decline) has been reported at this site.

Significance

Representative site for type (a) which is unrecorded elsewhere in the Ecological District and type (c). Habitat for threatened species.

A Queen Elizabeth II National Trust covenant protects 31.3 ha in the large northern remnant and 22.7 ha in the main southern remnant.

CENTRAL WAIOTEHUE RD BUSH

Survey no.	O05/024
Survey date	18 November 1994
Grid reference	O05 390 640
Area	51 ha (16 ha forest, 35 ha shrubland)
Altitude	40-120 m asl

Ecological unit

- (a) Manuka shrubland on moderate to steep hillslope
- (b) Kanuka/manuka-ring fern association on moderate to steep hillslope
- (c) Towai shrubland on moderate to steep hillslope
- (d) Kanuka-towai shrubland on moderate to steep hillslope
- (e) Taraire forest on moderate to steep hillslope
- (f) Towai secondary forest on moderate to steep hillslope
- (g) Kahikatea-totara secondary forest on moderate hillslope

Landform/geology

Dissected hill country on Mangakahia Complex sandstone.

Vegetation

A mosaic of regeneration with pockets of broadleaf forest.

- (a) The northern area consists mostly of manuka shrubland between 1-6 m tall with frequent mamaku, towai, and bracken and occasional totara and pampas.
- (b) On the eastern side of the road is low kanuka and manuka with ring fern, bracken is frequent and mamaku occasional.
- (c) Tall towai shrubland also occurs here with frequent ring fern, kanuka, and occasional mamaku and mahoe.
- (d) Dropping steeply from the road, kanuka and towai shrubland occurs with occasional puriri, ti kouka, nikau, wheki, mamaku and rewarewa.
- (e) Taraire with frequent towai also occurs here with scattered pukatea, rewarewa, puriri, kahikatea and tawa.
- (f) Secondary towai with occasional rewarewa, kauri, totara and mamaku also occurs on the western side of the road.
- (g) Across the road a small area of secondary kahikatea and totara occurs with frequent manuka and occasional puriri, towai and pukatea.

Fauna

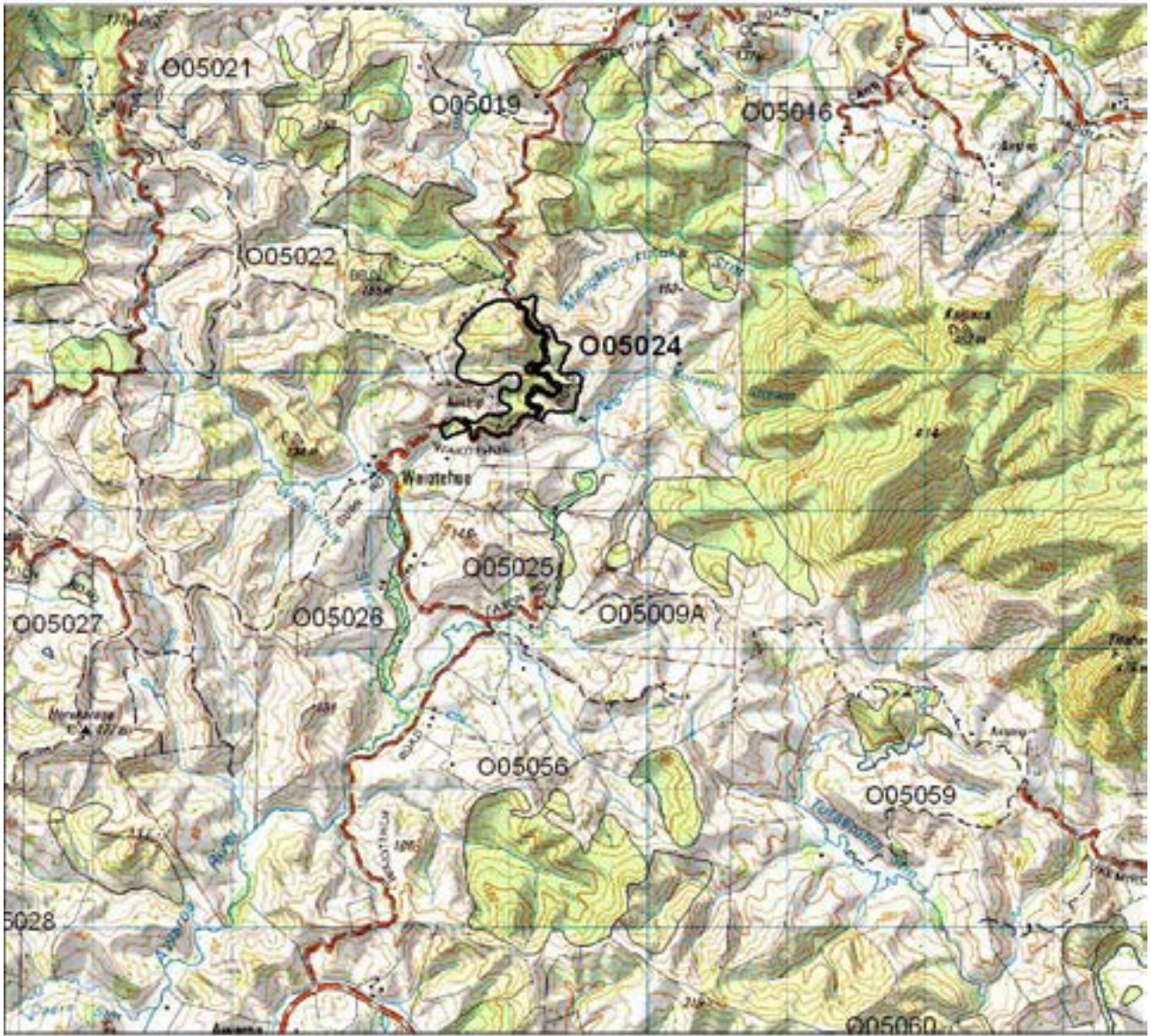
Not surveyed by the Department of Conservation. NI brown kiwi (Serious Decline) has been reported from this site.

Significance

Vegetation on steep areas above streams is providing aquatic habitat protection.

Presence of a threatened species.

Representative site for type (c) and only record of type (b) and (d) in the Ecological District.



Central Waiohewa Rd Bush O05/024

Each grid is 1000m x 1000m
and = 100 ha.

- S = shrubland
- F = forest
- W = wetland
- E = estuarine
- D = duneland

