

## Pukapuka Road Forest Q05/031

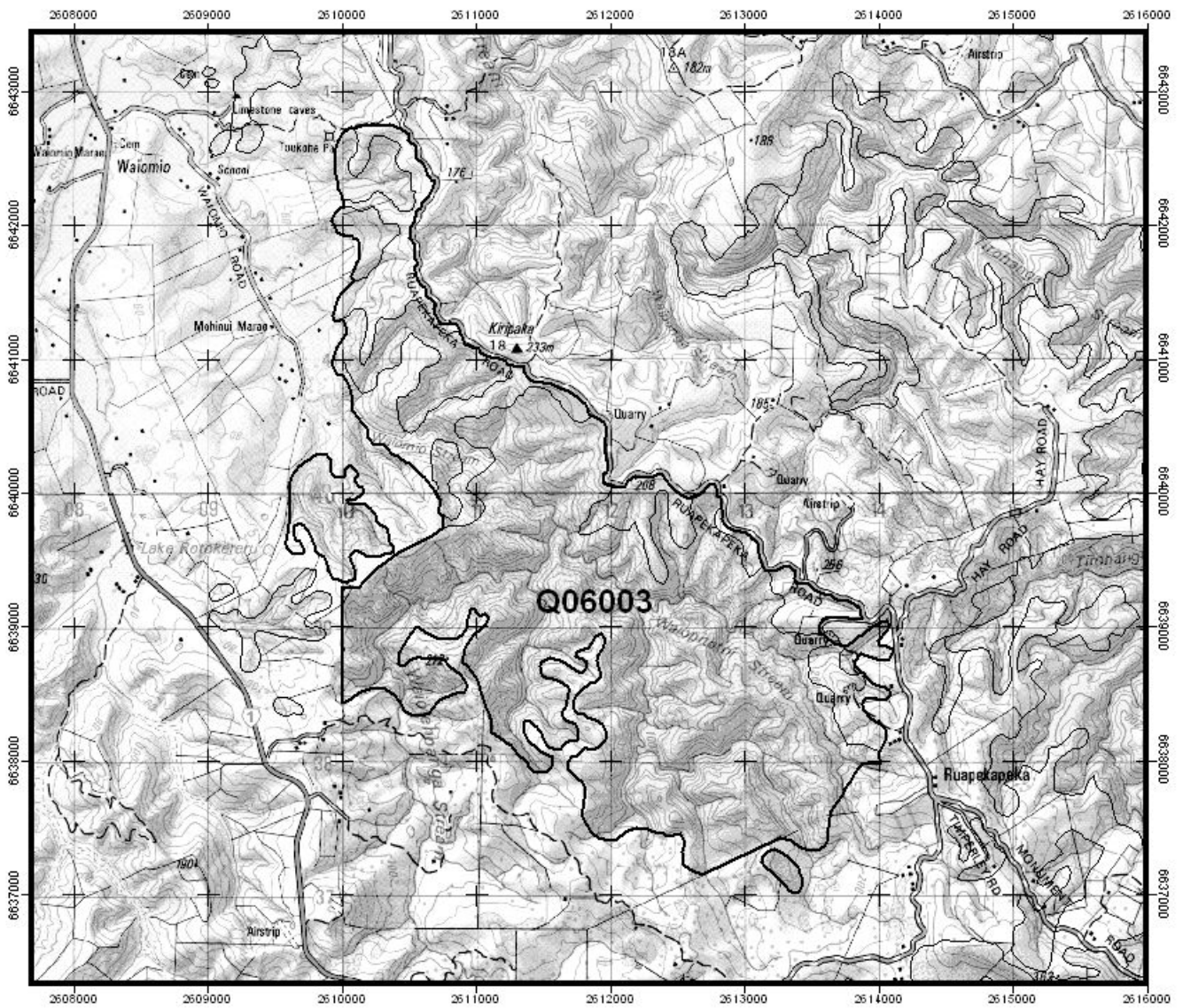
Each grid is 1000m x 1000m  
 and = 100 ha  
 S = shrubland  
 F = forest  
 W = wetland  
 E = estuarine  
 D = duneland

### RUAPEKAPEKA FOREST

Survey no. Q06/003  
 Survey date 13 December 1994  
 Grid reference Q06 099 398, Q06 132 371, Q06 120 399  
 Area 1037 ha (850 ha forest, 187 ha shrubland)  
 Altitude 40-260 m asl

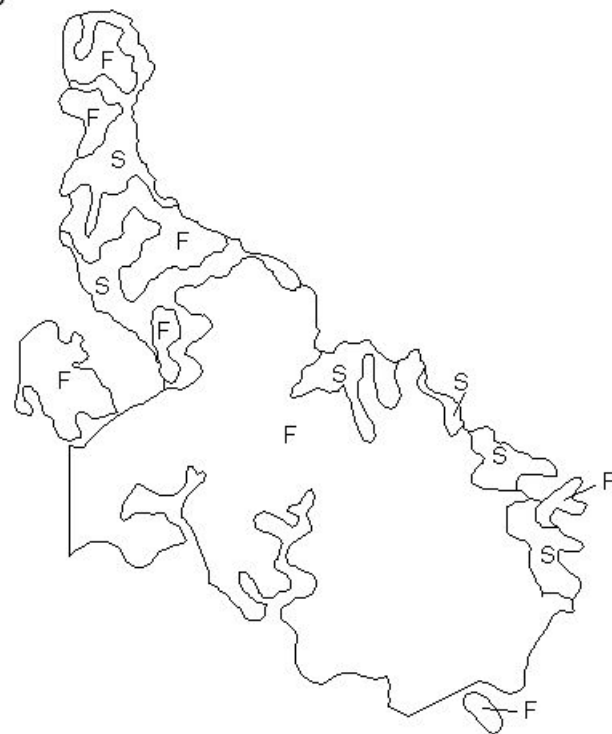
#### *Ecological unit*

- (a) Kanuka/manuka-tanekaha forest on hillslope
- (b) Kanuka/manuka-tanekaha-towai forest on hillslope
- (c) Totara forest on hillslope
- (d) Taraire forest on hillslope
- (e) Tanekaha forest on ridges
- (f) Kanuka/manuka shrubland on hillslope



### Ruapekapeka Forest Q06/003

Each grid is 1000m x 1000m  
 and = 100 ha  
 S = shrubland  
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 D = duneland



### ***Landform/geology***

Steeply incised valleys of Waipapa Complex greywacke, with Horeke Basalts flow remnants along Ruapekapeka Rd.

### ***Vegetation***

A large diverse mosaic of cut-over and secondary forests, with peripheral shrubland, generally forming the mid-upper catchment of the Waiomio Stream. Forest and shrubland types include:

- (a) Kanuka/manuka-tanekaha forest with frequent kauri and occasional towai.
- (b) Kanuka/manuka-tanekaha-towai forest.
- (c) Totara forest with frequent puriri, and rewarewa, and occasional kauri, kowhai, taraire, and tanekaha.
- (d) Taraire forest with frequent puriri, rewarewa, with occasional pukatea, tawa, totara, tanekaha, and emergent kahikatea and rimu.
- (e) Tanekaha forest with frequent kauri, rimu, and rewarewa, and occasional kanuka.
- (f) Kanuka/manuka shrubland with tanekaha, mamaku, and totara.

### ***Significant flora***

Toatoa (Regionally Significant) and the fern *Doodia aspera* (Vagrant).

### ***Fauna***

Supports common forest birds as well as kukupa (Gradual Decline) and NI tomtit (Regionally Significant). NI brown kiwi (Serious Decline) were recorded at this site in good numbers in the 1990s, and are assumed to still be present.

### ***Significance***

A large outlier of Russell Forest, which has a good diversity of forest types and species.

The site contains a small area of Kerikeri Volcanics.

Habitat for threatened and regionally significant species.

Representative site for type (b) kanuka/manuka-tanekaha-towai forest, and the only record of this vegetation type in the Ecological District.

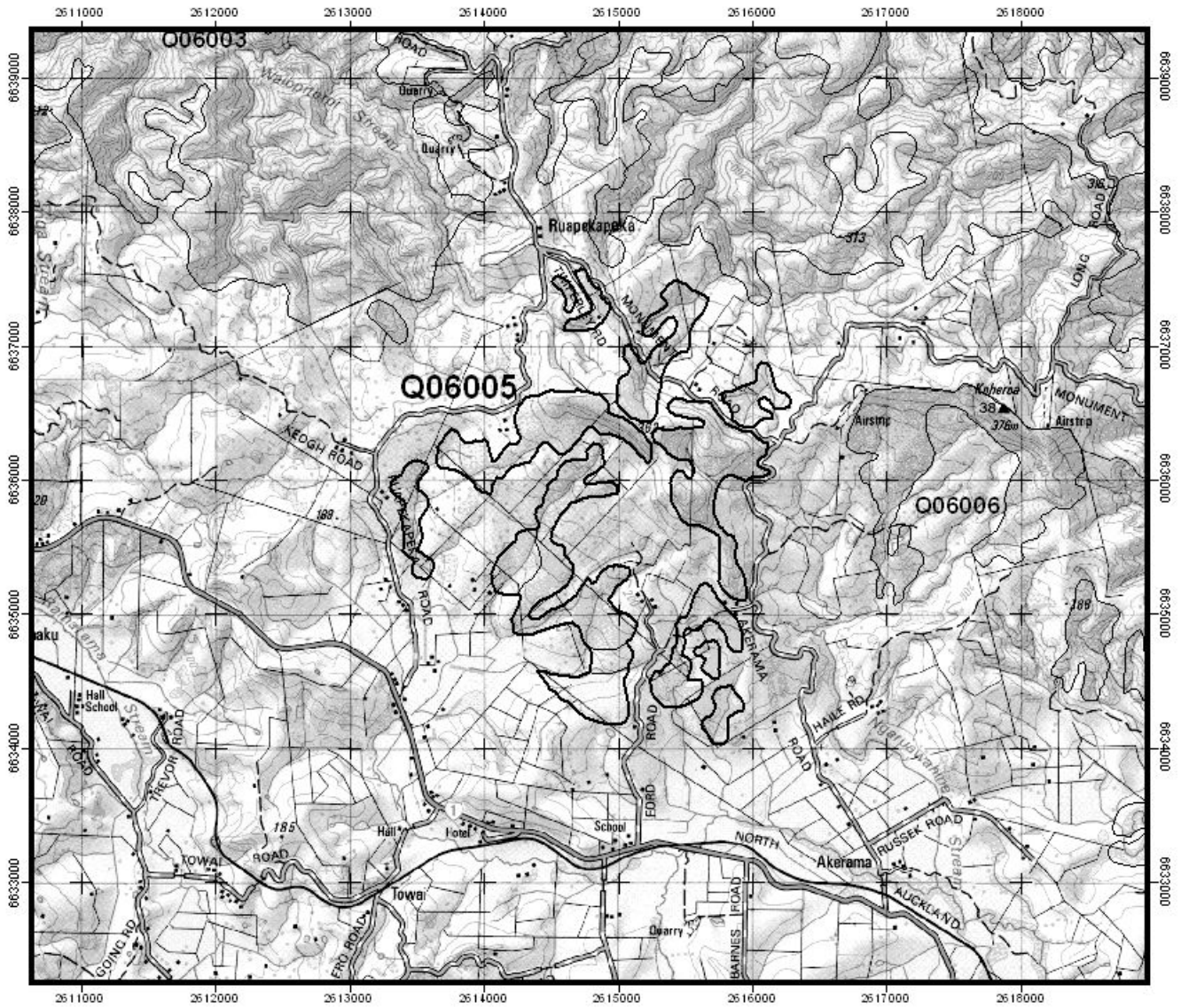
396.2 ha at this site are a Conservation Park administered by the Department of Conservation.

## **AKERAMA BUSH**

Survey no.	Q06/005
Survey date	5 September 1994
Grid reference	Q06 156 358, Q06 148 373, Q06 145 373, Q06 153 369, Q06 160 366, Q06 144 362, Q06 134 357, Q06 158 347, Q06 156 346, Q06 145 352, Q06 157 342
Area	278 ha (244 ha forest, 29 ha shrubland, 5 ha wetland)
Altitude	120–363 m asl

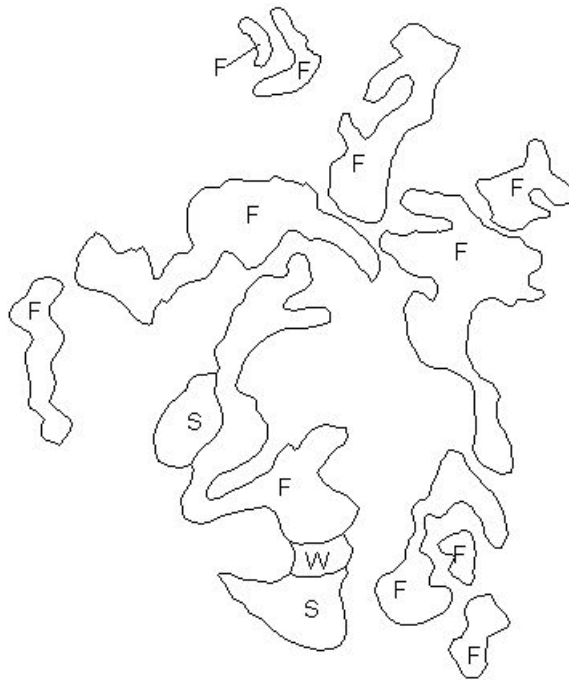
### ***Ecological unit***

- (a) Taraire forest on hillslope
- (b) Kahikatea-totara forest on gentle hillslope
- (c) Kanuka/manuka shrubland on hillslope
- (d) Raupo reedland on alluvium



### Akerama Bush Q06/005

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



### ***Landform/geology***

Hillcountry of Northland Allochthon sedimentary units overlain by Kerikeri Volcanics basalt flows and boulder colluvium.

### ***Vegetation***

An assemblage of highly fragmented secondary forest, shrubland, and wetland remnants, forming an outlier to Russell Forest. Forest and shrubland types include:

- (a) Taraire forest with frequent kahikatea, totara, and rewarewa, and occasional pukatea, puriri, kauri, kohekohe, and emergent rimu.
- (b) Kahikatea-totara forest.
- (c) Kanuka/manuka shrubland.
- (d) Raupo reedland with ti kouka and occasional harakeke.

### ***Fauna***

Known to support kukupa (Gradual Decline) and common forest birds. The wetland area supports grey duck (Nationally Endangered), spotless crane (Sparse) and pukeko.

### ***Significance***

Contains a large proportion of taraire-dominant forest, which is an important forest type for kukupa over the winter months. Includes a mineralised freshwater wetland component. Provides upper catchment protection for two river systems.

Representative site for all ecological units.

1.3 ha at this site is Scenic Reserve administered by the Department of Conservation.

## **MONUMENT ROAD FOREST**

Survey no.	Q06/006
Survey date	10 August 1994
Grid reference	Q06 181 358
Area	113 ha
Altitude	160-376 m asl

### ***Ecological unit***

- (a) Taraire forest on hillslope (80%)
- (b) Taraire-totara-kahikatea forest on hillslope (10%)
- (c) Totara forest on hillslope (10%)

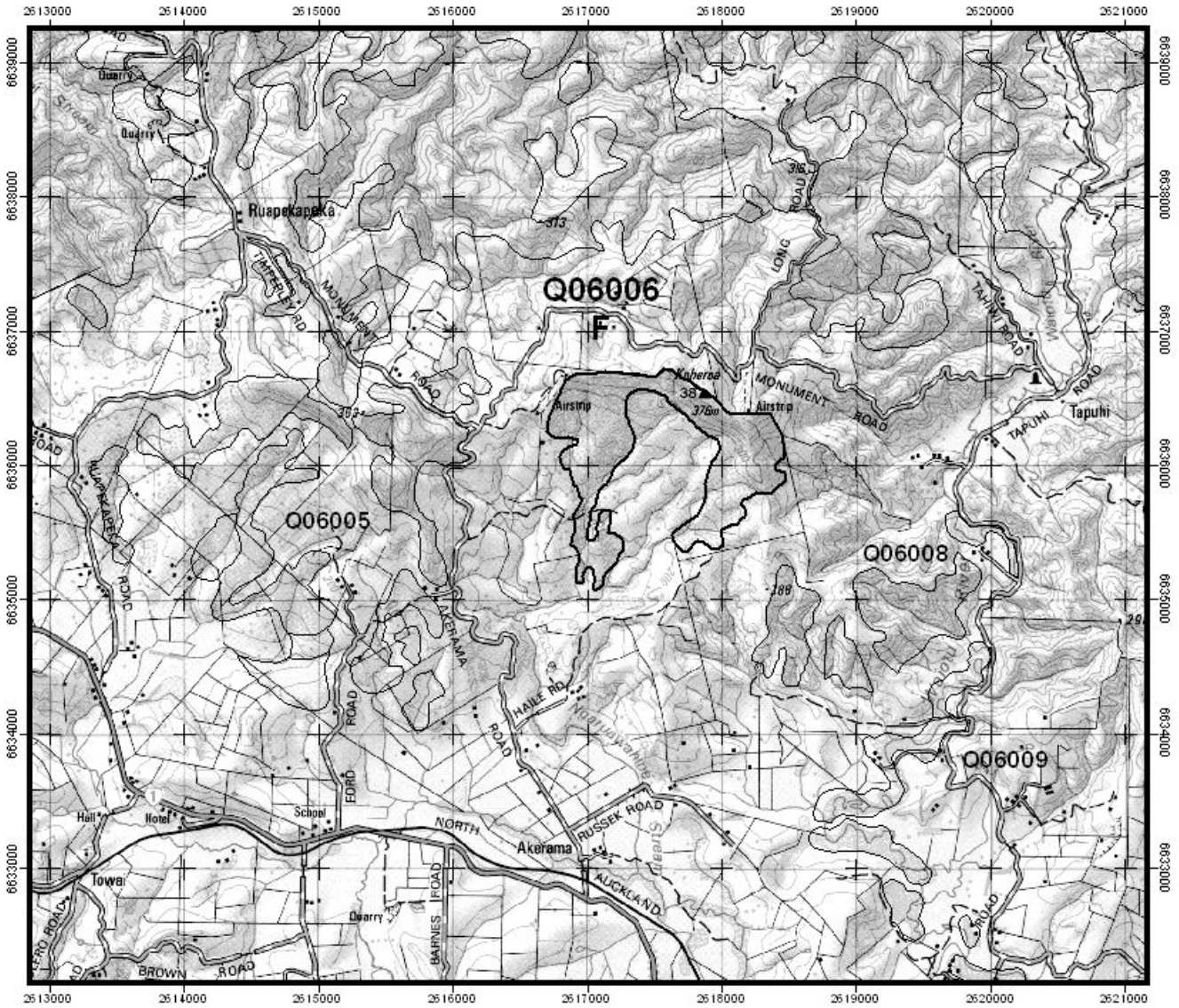
### ***Landform/geology***

Hillcountry of predominantly Kerikeri Volcanics flow basalt, but with Waipapa Terrane greywacke and Northland Allochthon sedimentary units in valleys in the south and east.

### ***Vegetation***

Primarily broadleaf forest, with lesser amounts of secondary mixed broadleaf-podocarp. Forest types include:

- (a) Taraire forest with frequent rewarewa and occasional puriri.
- (b) Taraire-totara-kahikatea forest with occasional nikau and puriri.
- (c) Totara forest with occasional rimu, kauri, rewarewa, puriri, and kahikatea.



## Monument Road Forest Q06/006

Each grid is 1000m x 1000m  
 and = 100 ha  
 S = shrubland  
 F = forest  
 W = wetland  
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### ***Fauna***

Kukupa (Gradual Decline), kauri snail (Gradual Decline), and common forest birds. NI brown kiwi (Serious Decline) have been reported in the past, but have not been re-confirmed in recent years.

### ***Significance***

Broadleaf forest on this geological type is particularly uncommon in this area, as well as being uncommon throughout the region.

It is heavily utilised as a year-round food source for kukupa.

Riparian function and upper catchment protection.

Representative site for all ecological units

## **WAIOTU RIVERINE FOREST**

Survey no. Q06/009  
Survey date 10 August 1994  
Grid reference Q06 201 320, Q06 198 325, Q06 203 310, Q06 193 326,  
Q06 207 307, Q06 190 331, Q06 206 318, Q06 195 340,  
Q06 198 354  
Area 110 ha  
Altitude 100 m asl

### ***Ecological unit***

(a) Totara riverine forest on alluvial flats

### ***Landform/geology***

Swamp and alluvium in the upper reaches of Hikurangi Swamp.

### ***Vegetation***

Alluvial riverine forest adjoining the Waiotu River.

(a) Totara riverine forest, with associated canopy species including frequent matai and kahikatea, with occasional taraire, kanuka, pukatea, titoki, and manatu.

### ***Fauna***

Common forest birds, as well as pukeko and Australasian harrier, have been recorded at this site.

### ***Significance***

Secondary riverine podocarp forest is rare within the Whangaruru Ecological District. It contains an unusual association of species, and riparian dependant species, i.e. manatu. Mid-catchment riparian protection.

Representative site.

2.3 ha at this site are a reserve administered by the Department of Conservation.

## **GIBBS ROAD FOREST REMNANT**

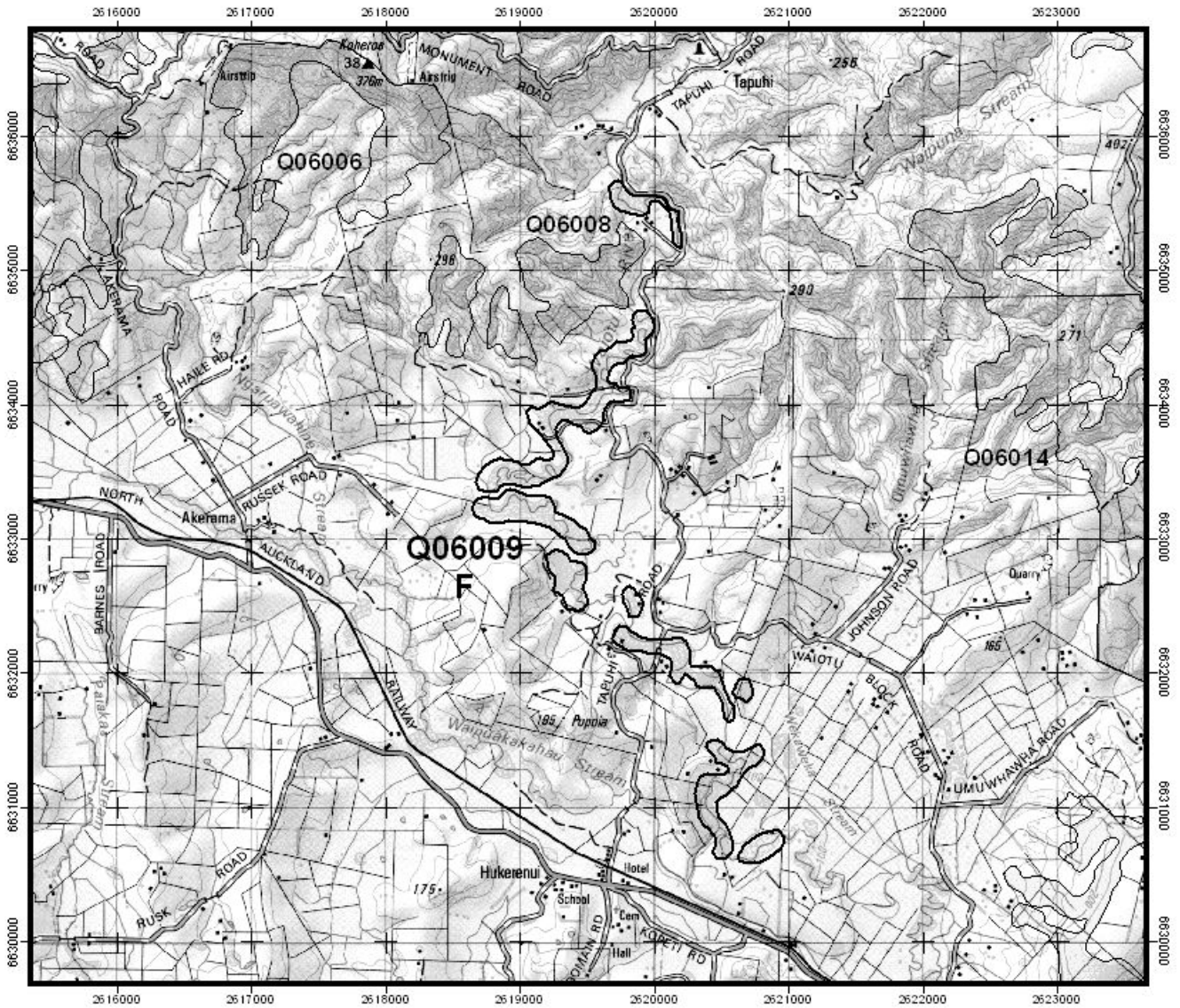
Survey no. Q06/012  
Survey date 15 November 1994  
Grid reference Q06 248 291, Q06 239 299  
Area 180 ha (162 ha forest, 18 ha shrubland)  
Altitude 100-220 m asl

### ***Ecological unit***

- (a) Taraire forest on hillslope
- (b) Totara forest on hillslope
- (c) Kanuka/manuka shrubland on hillslope
- (d) Puriri-taraire-totara forest on hillslope
- (e) Totara-towai forest on hillslope

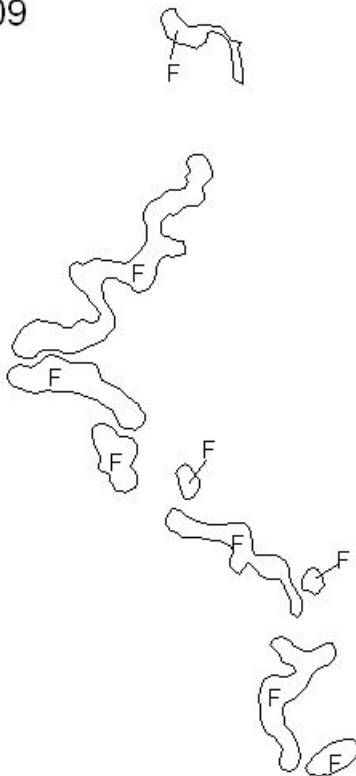
### ***Landform/geology***

Kerikeri Volcanics basalt flows and boulder colluvium.

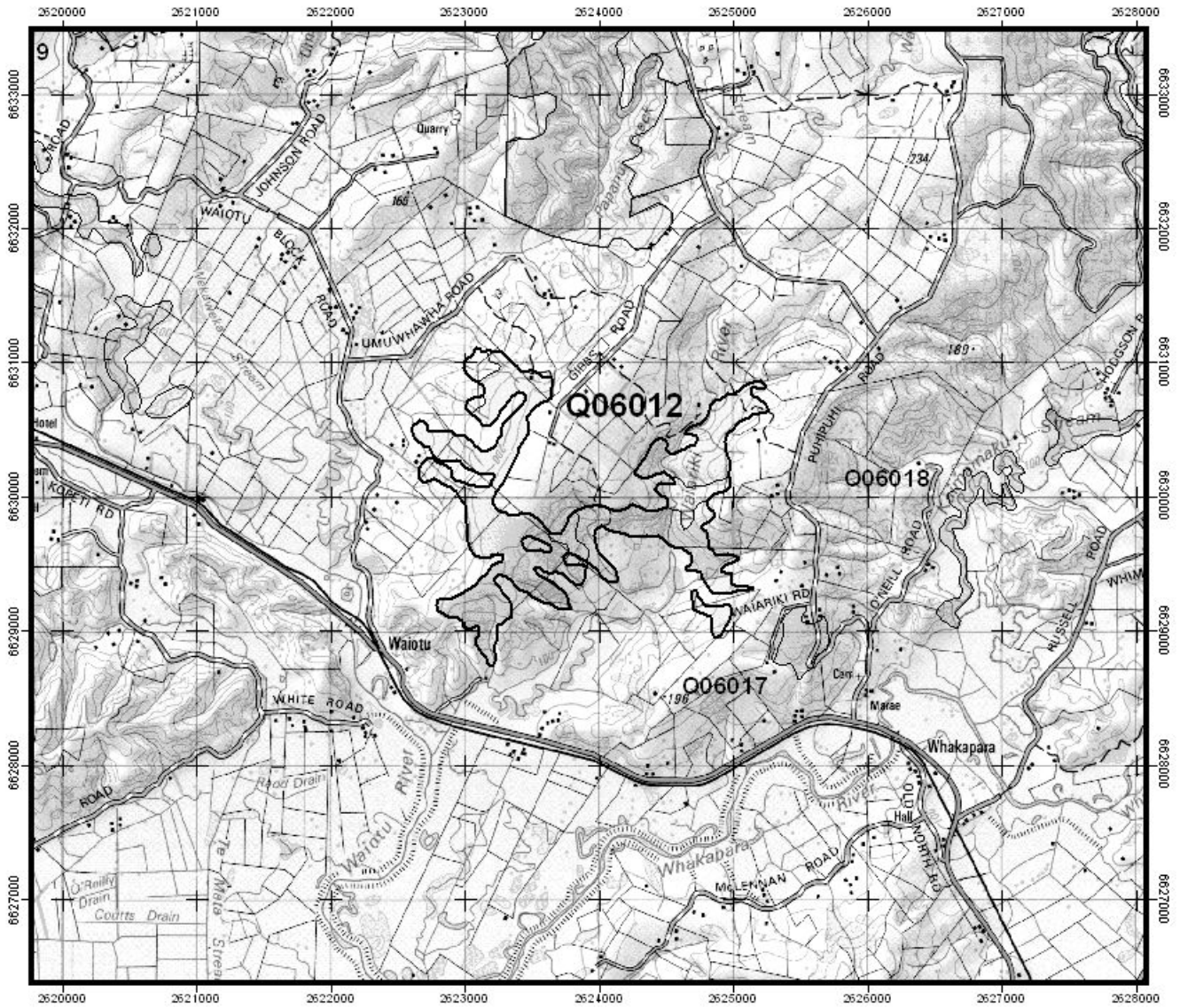


### Waitutu Riverine Forest Q06/009

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

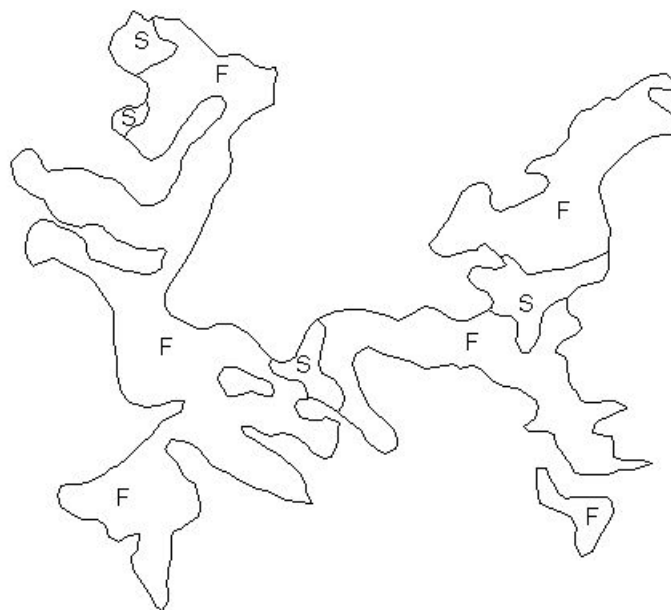






### Gibbs Road Forest Remnant Q06/012

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



### ***Vegetation***

Fragmented forest remnant. Forest types include:

- (a) Taraire forest with frequent puriri, and occasional rewarewa, totara, towai, karaka, and tawa.
- (b) Totara forest with frequent kahikatea, and occasional towai, puriri, and rewarewa.
- (c) Kanuka/manuka shrubland with frequent totara, and occasional towai, rimu, kahikatea, and kauri.
- (d) Puriri-taraire-totara forest with occasional nikau, rewarewa, pukatea, and kahikatea.
- (e) Totara-towai forest with mamaku.

### ***Fauna***

Not surveyed.

### ***Significance***

The site is on Kerikeri Volcanics, which is a rare geological type in the Ecological District.

Representative site for type (a) taraire forest, type (b) totara forest, type (d) puriri-taraire-totara forest, and type (e) totara-towai forest. Only record of type (d) in the Ecological District.

## **HENTLY ROAD FOREST REMNANTS**

Survey no.	Q06/013
Survey date	20 October 1994
Grid reference	Q06 235 370, Q06 235 375, Q06 233 366
Area	28 ha
Altitude	320–420 m asl

### ***Ecological unit***

- (a) Taraire forest on hillslope
- (b) Taraire forest on alluvium
- (c) Kahikatea riverine forest on alluvium
- (d) Towai forest on hillslope

### ***Landform/geology***

Part of a Kerikeri Volcanics basalt plateau remnant.

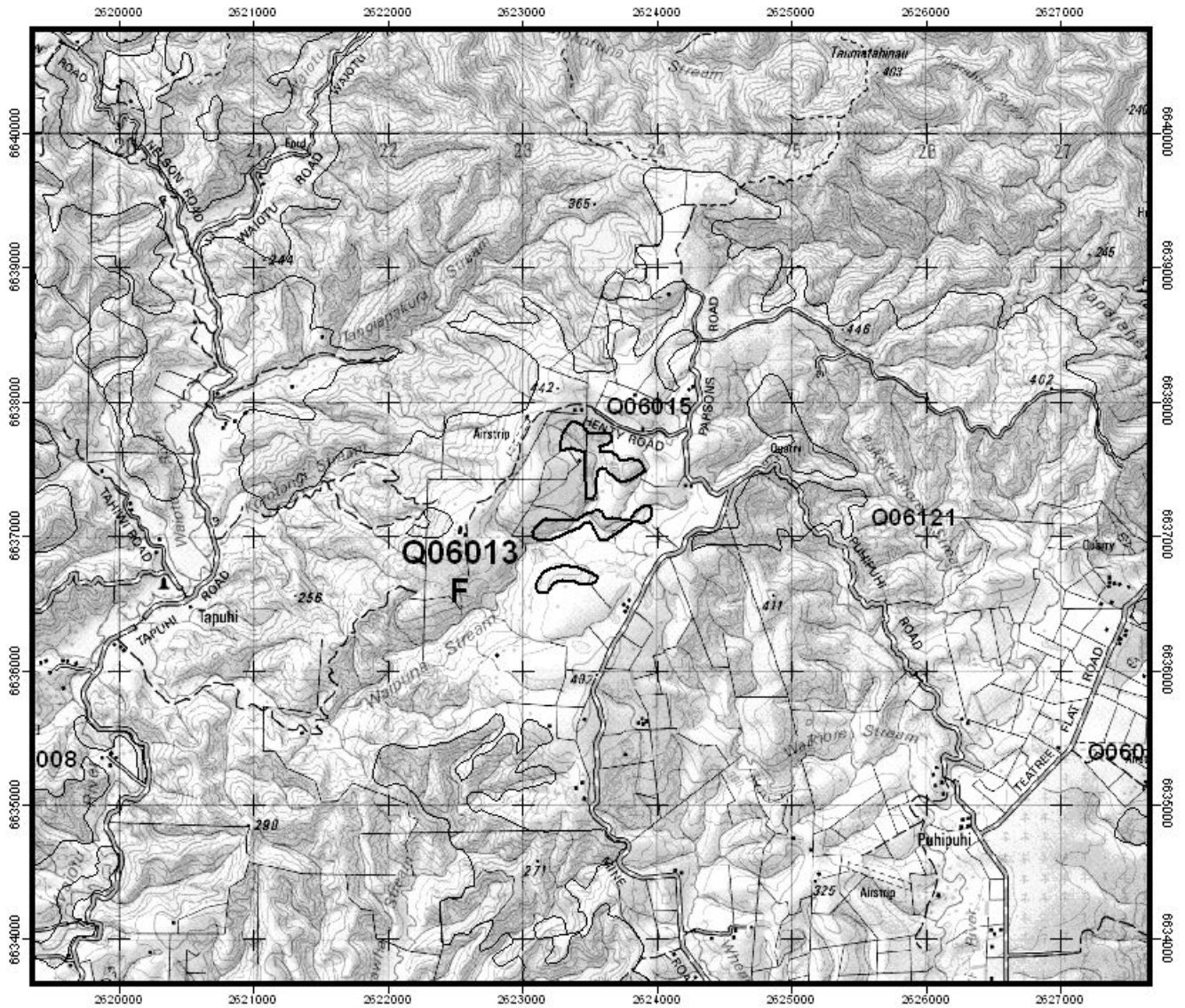
### ***Vegetation***

Three small secondary broadleaf dominant forest remnants with small areas of swamp forest in ponded alluvial basins. Forest types include:

- (a) and (b) Taraire forest with frequent tawa and rewarewa, and occasional kohekohe, kahikatea, pukatea, rimu, towai, puriri, and matai.
- (c) Kahikatea riverine forest with frequent swamp maire, and occasional pukatea, towai, and rewarewa.
- (d) Towai forest with frequent rewarewa, and occasional kahikatea, totara, rimu, and makamaka.

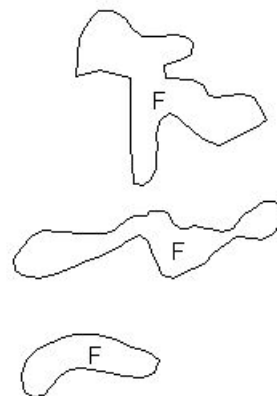
### ***Fauna***

Not surveyed.



### Hently Road Forest Remnants Q06/013

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



### ***Significance***

An area of forest on Kerikeri Volcanics. Uncommon upper altitude swamp forest association for Northland.

Representative site for type (b) kahikatea riverine forest, and type (c) towai forest.

### **PAPANUI/UMUWHAWHA FOREST**

Survey no.	Q06/014
Survey date	17 November 1994
Grid reference	Q06 233 337
Area	376 ha (339 ha forest, 37 ha shrubland)
Altitude	120–390 m asl

### ***Ecological unit***

- (a) Tanekaha-towai forest on hillslope
- (b) Kanuka/manuka shrubland on hillslope
- (c) Kahikatea forest on gentle hillslope

### ***Landform/geology***

Dissected hillcountry of Waipapa Terrane greywacke capped by fossil hydrothermal field and Kerikeri Volcanics basalt flows.

### ***Vegetation***

Extensive secondary forest and shrubland with a high altitudinal range for its size. Forest and shrubland types include:

- (a) Tanekaha-towai forest with frequent totara, kanuka, and taraire, and occasional rewarewa, puriri, kauri, and *Pinus* sp.
- (b) Kanuka/manuka shrubland with frequent tanekaha, totara, towai, and mamaku, and occasional pine.
- (c) Kahikatea forest with occasional kanuka and pukatea.

### ***Fauna***

NI brown kiwi (Serious Decline), kukupa (Gradual Decline), kauri snail (Gradual Decline), and common forest birds. *Galaxiid* sp. are present in the streams.

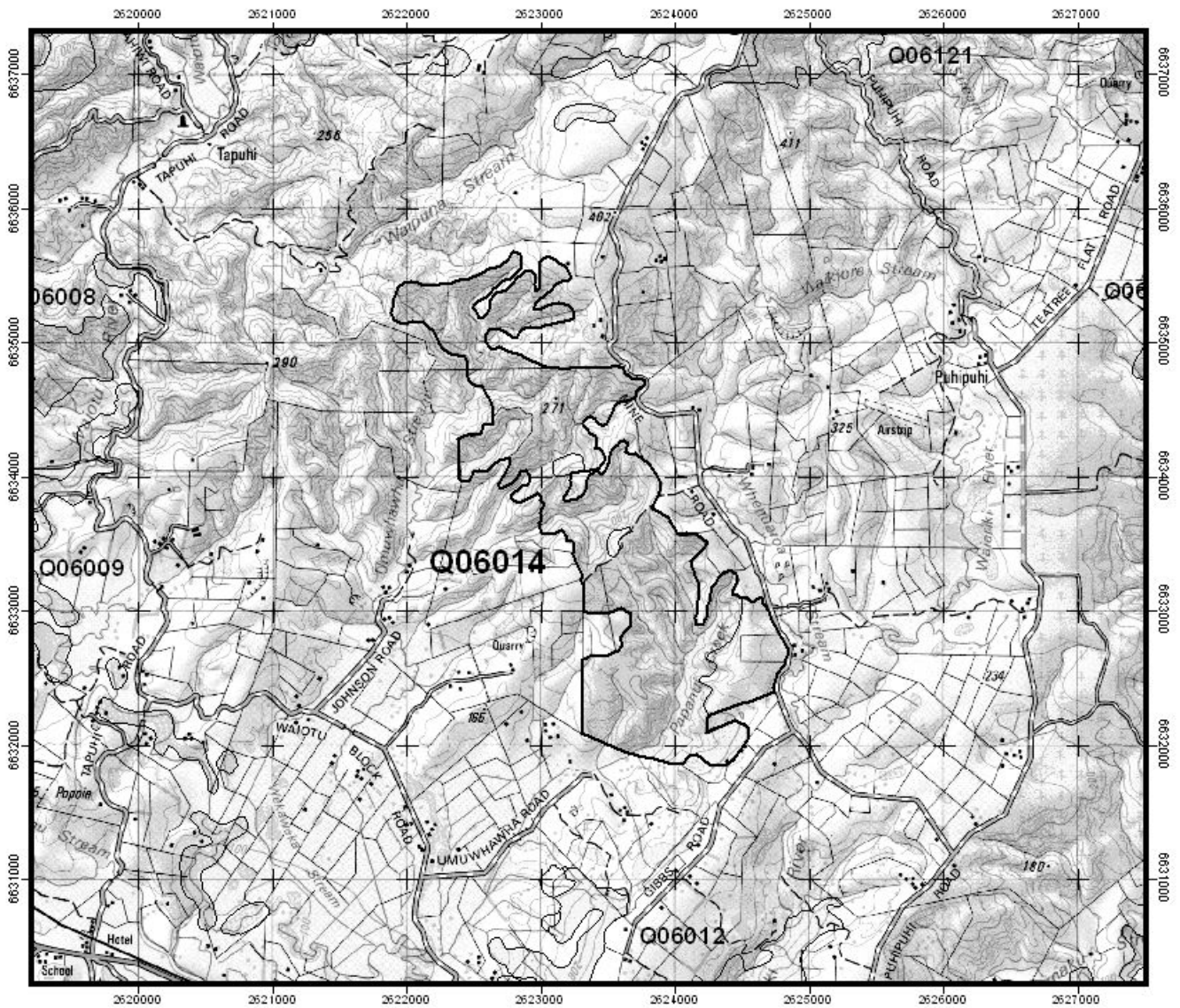
### ***Significance***

Presence of threatened species. Important “satellite” habitat to Russell Forest, which provides a linkage to other, smaller forest remnants to the south. High altitudinal range and very good riparian values are exhibited.

Part of the shrubland area lies on a site of regional geological importance, which is a basalt plateau formed from ponded lava, overlying greywacke (Kenny & Hayward 1996).

Representative site for type (a) tanekaha-towai forest, and type (c) kahikatea forest.

38.7 ha at this site are a reserve administered by the Department of Conservation.



## Papanui/Umuwhawha Forest Q06/014

Each grid is 1000m x 1000m  
 and = 100 ha  
 S = shrubland  
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 D = duneland

