

## ACCESS ROAD REMNANTS

**Survey no.** P08/029  
**Survey date** 22 May 1999  
**Grid reference** 1698192E 6006647N (AY29)  
**Area** 9 ha, 2 remnants  
**Altitude** 20-40 m a.s.l.

### **Ecological unit**

(a) Kānuka/mānuka forest on gentle hillslope

### **Landform/geology**

Hillslope of Mangakahia Complex sandstone and mudstone.

### **Vegetation**

Only a limited view of this site was obtained and the southeastern remnant was not surveyed.

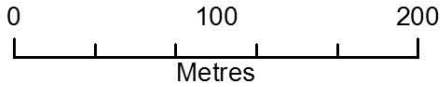
(a) Kānuka mānuka forest with occasional kahikatea, pūriri, tōtara, tī kōuka, kauri and rimu occurs in the northwestern remnant.

### **Fauna**

None noted.

### **Significance**

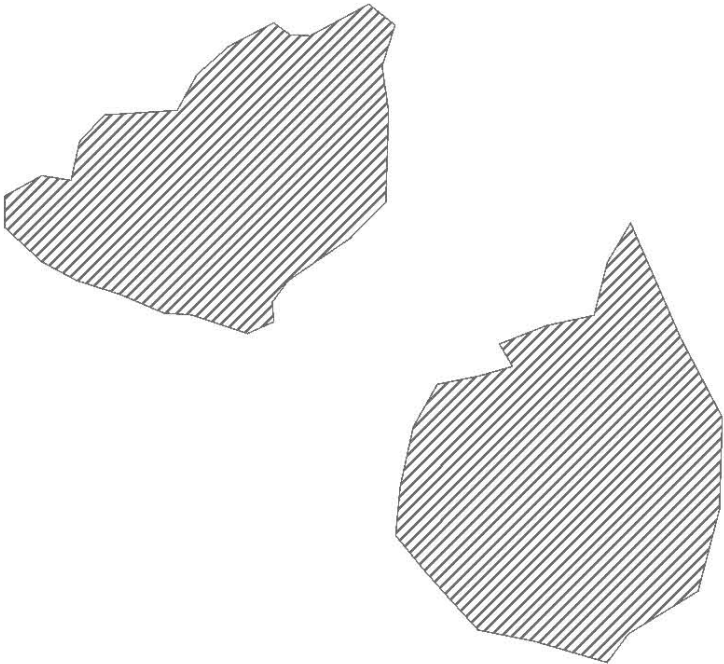
Small lowland forest remnants within a very modified Ecological District. Approximately 8.6 ha of this site occurs within an 'At Risk' land environment (A6.1b) and 0.3 ha within a 'Critically Underprotected' land environment (A6.1c) (Walker et al. 2007).



### P08/029 Access Road Remnants

#### Habitat type

-  Forest
-  Shrubland
-  Wetland



## MITITAI ROAD KAHIKATEA REMNANT

**Survey no.** P08/031  
**Survey date** 24 May 1999  
**Grid reference** 1690761E 6013444N (AY29)  
**Area** 1 ha  
**Altitude** 40 m a.s.l.

### **Ecological unit**

(a) Kahikatea forest on gentle hillslope

### **Landform/geology**

Hillslopes of Motatau Complex muddy limestone.

### **Vegetation**

In 1999 this site was mapped as being 2.7 ha.

(a) A small kahikatea stand with frequent tī kōuka. Pukatea and pūriri are present.

### **Fauna**

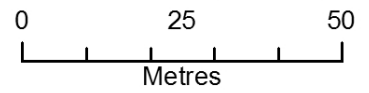
None noted.

### **Significance**

Lowland kahikatea forest is an under-represented forest type within the Tokatoka Ecological District and throughout Northland generally; however, the smallness of this site limits its significance. Approximately 0.1 ha of this site occurs within a 'Chronically Threatened' land environment (A6.1d) and 0.9 ha within an 'At Risk' land environment (A6.1b) (Walker et al. 2007).



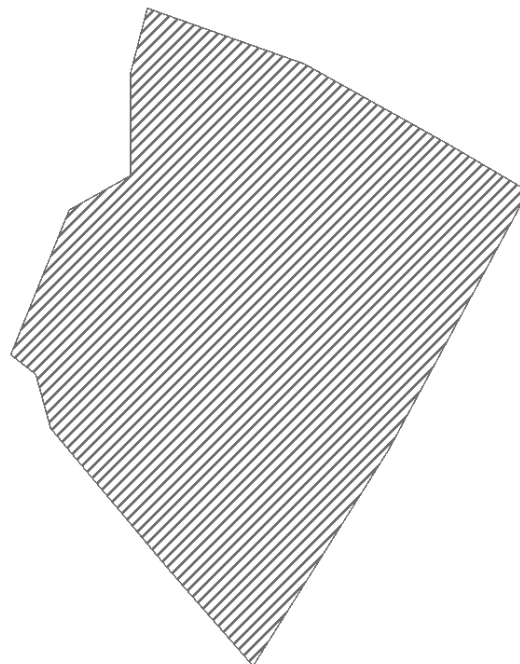
P08031



### P08/031 Mititai Road Kahikatea Remnant

#### Habitat type

-  Forest
-  Shrubland
-  Wetland



## MITITAI REMNANTS

**Survey no.** P08/035  
**Survey date** 22 May 1999  
**Grid reference** 1689692E 6015145N (AY29)  
**Area** 7 ha, 2 remnants  
**Altitude** 60-80 m a.s.l.

### **Ecological unit**

(a) Kānuka/mānuka-pūriri forest on moderate hillslope

### **Landform/geology**

Hillslope of Motatau Complex muddy limestone.

### **Vegetation**

The northern remnant was not surveyed.

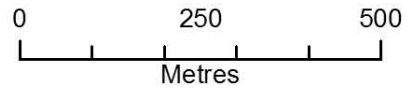
(a) The southern remnant is defined by co-dominant kānuka/mānuka and pūriri with an open canopy in places. Kahikatea, pukatea, kauri, tōtara, tī kōuka and nīkau are occasional.

### **Fauna**

None noted.

### **Significance**

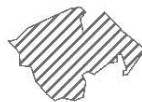
Two small indigenous remnants within a very modified Ecological District. The southern remnant has a good proportion of pūriri which provides a potential seasonal food source for the regionally significant kūkupa. This site occurs within a 'Critically Threatened' land environment (A6.1d) (Walker et al. 2007).



### P08/035 Mititai Remnants

#### Habitat type

-  Forest
-  Shrubland
-  Wetland



## LOWER MITITAI ROAD REMNANTS

<b>Survey no.</b>	P08/037
<b>Survey date</b>	25 May 1999
<b>Grid reference</b>	1687265E 6015357N (AY29)
<b>Area</b>	4.8 ha, 2 remnants
<b>Altitude</b>	20 - < 40 m a.s.l.

### **Ecological unit**

- (a) Kauri forest on gentle hillslope
- (b) Kānuka/mānuka forest on gentle hillslope
- (c) Tōtara forest on alluvium

### **Landform/geology**

Hillslopes of Motatau Complex muddy limestone.

### **Vegetation**

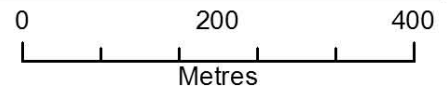
- (a) A stand of kauri defines the western remnant, approximately 50% of the remnant. Rimu and kānuka/mānuka are occasional.
- (b) Kānuka/mānuka is common in the remaining area. Kauri, rimu, pūriri, kahikatea, tōtara, tī kōuka and nīkau are also present.
- (c) The eastern remnant is a narrow band of common tōtara with frequent mataī and occasional emergent kauri, tītoki, kahikatea, nīkau, mamaku, tī kōuka and kānuka/mānuka.

### **Fauna**

None noted.

### **Significance**

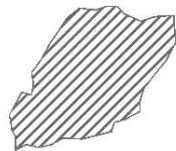
Lowland forest is an under-represented habitat type within the Tokatoka Ecological District and throughout Northland generally. This remnant also includes kauri, which is uncommon within the Tokatoka Ecological District; however, the smallness of this site limits its significance. Approximately 4.5 ha of the site occurs within a 'Chronically Threatened' land environment (A6.1d) and 0.3 ha within an 'At Risk' land environment (A6.1b) (Walker et al. 2007).



### P08/037 Lower Mititai Road Remnants

#### Habitat type

-  Forest
-  Shrubland
-  Wetland





## BEE BUSH ROAD REMNANTS

<b>Survey no.</b>	P08/040
<b>Survey date</b>	25 May 1999
<b>Grid reference</b>	1690360E 6017200N (AY29)
<b>Area</b>	4.3 ha, 2 remnants
<b>Altitude</b>	40-60 m a.s.l.

### **Ecological unit**

- (a) Taraire forest on hillslope
- (b) Kauri forest on moderate hillslope

### **Landform/geology**

Hillslopes of Mangakahia Complex sandstone and mudstone.

### **Vegetation**

Since 1999, this site has radically changed. The 1999 survey showed the site as being over 30 ha. 2002 aerial photography showed a contiguous area of 34.23 ha. 2008 aerial photography showed that most of the site had been cleared—kānuka/mānuka shrubland with smaller areas of kānuka/mānuka-tōtara forest. It is presumed that the ecological units (a) and (b) occur in what remains of P08/040 as described below.

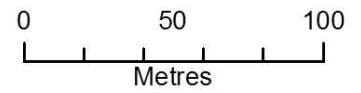
- (a) Two small areas of taraire occur:
  - (i) With occasional pūriri, rewarewa, tōtara and kānuka/mānuka.
  - (ii) With occasional rewarewa, kahikatea, tānekaha, pukatea, pūriri, puka and kānuka/mānuka.
- (b) A small area of kauri occurs with rimu, rewarewa, tānekaha, tōtara and kānuka/mānuka in the northeastern forested area.

### **Fauna**

None noted.

### **Significance**

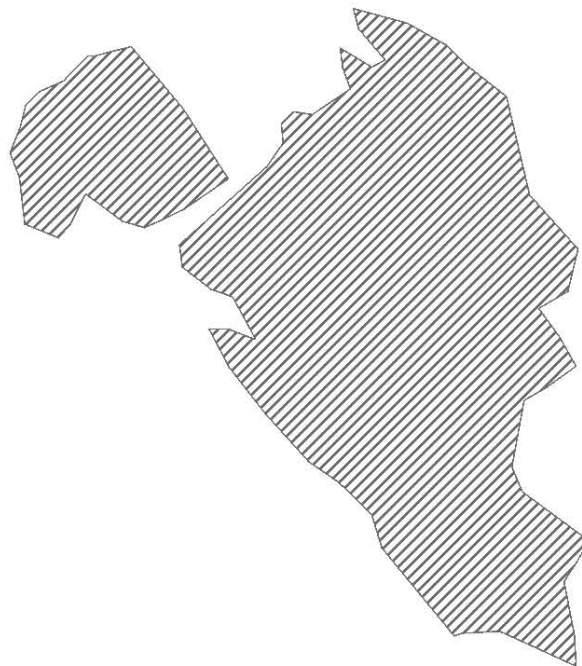
Two small forest remnants within a very modified Ecological District. The original 1999 survey accorded this site Level 1 status due to its size and contiguous habitat. However, by 2008, 29.9 ha had been cleared leaving only 4.3 ha and thus it has dropped to Level 2 status. This site is covered by a 'Critically Underprotected' land environment (A6.1c) (Walker et al. 2007).



### P08/040 Bee Bush Road Remnants

#### Habitat type

-  Forest
-  Shrubland
-  Wetland



## LOWER WAINUI ROAD REMNANT

**Survey no.** P08/041  
**Survey date** 10 June 1999  
**Grid reference** 1691719E 6017492N (AY29)  
**Area** 14.6 ha  
**Altitude** 40-80 m a.s.l.

### **Ecological unit**

- (a) Kānuka/mānuka-tōtara forest on moderate hillslope and gully (80%)
- (b) Kānuka/mānuka forest on moderate hillslope and gully
- (c) Taraire-tōtara forest on moderate hillslope

### **Landform/geology**

Hillslopes of Mangakahia Complex sandstone and mudstone.

### **Vegetation**

The canopy is discontinuous with many pasture gaps.

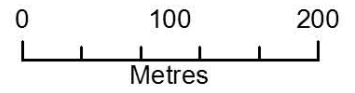
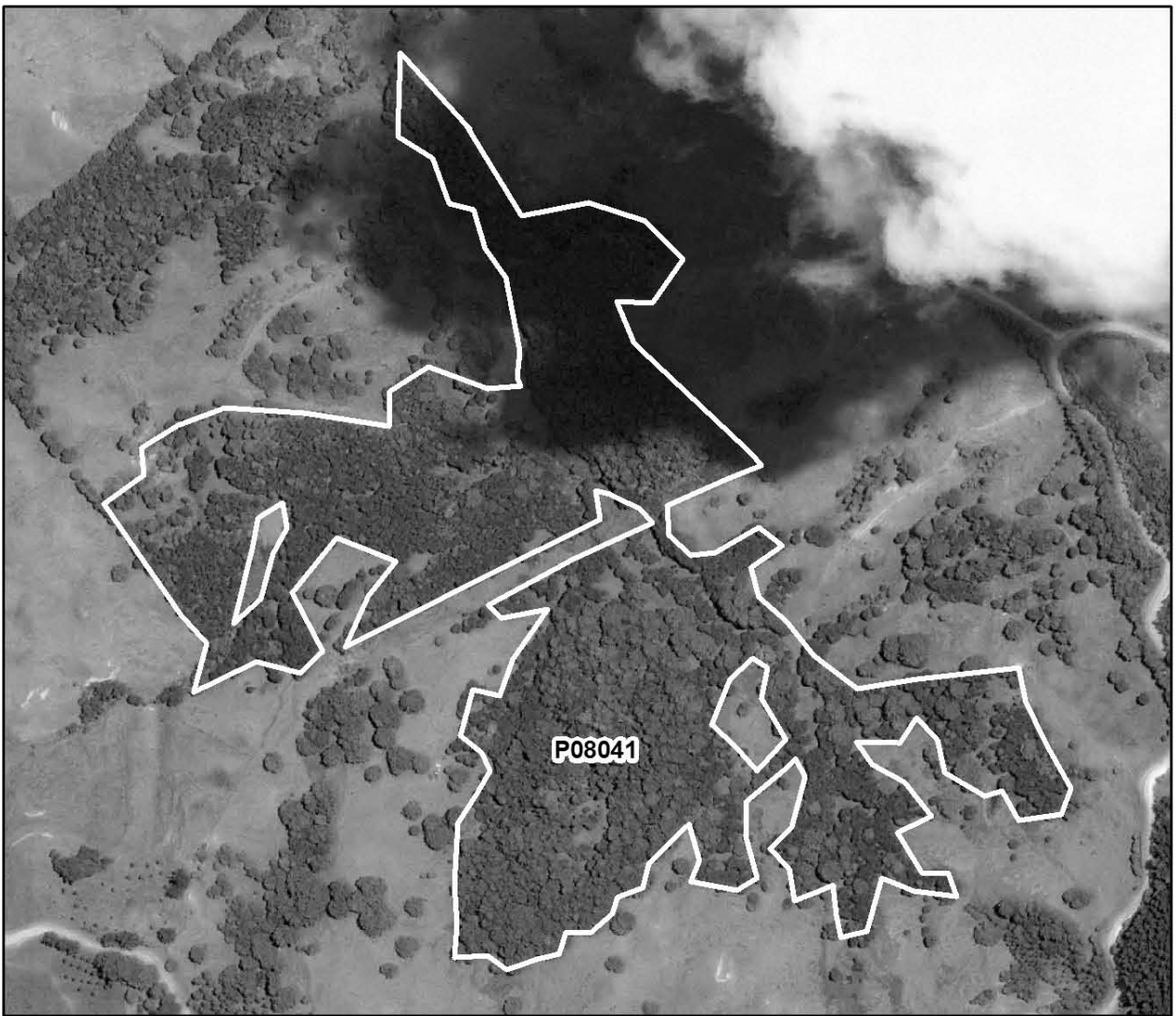
- (a) Most of this site is kānuka/mānuka dominant with common tōtara. Occasional species include emergent rimu, kahikatea, tānekaha, mamaku and macrocarpa.
- (b) Abundant kānuka/mānuka occurs with frequent tōtara. Emergent kauri, rewarewa, kahikatea, tī kōuka, nīkau and mamaku are occasional.
- (c) A small area of co-dominant taraire and tōtara occurs in the southeast with occasional rimu, rewarewa, pūriri, kahikatea and nīkau.

### **Fauna**

None noted.

### **Significance**

A discontinuous, irregular-shaped forest remnant containing common forest types within a very modified Ecological District. This site is covered by a 'Critically Underprotected' land environment (A6.1c) (Walker et al. 2007).



### P08/041 Lower Wainui Road Remnant

#### Habitat type

-  Forest
-  Shrubland
-  Wetland



## HOYLE ROAD REMNANTS

**Survey no.** P08/042  
**Survey date** 24 May 1999  
**Grid reference** 1693440E 6016084N (AY29)  
**Area** 3.1 ha, 2 remnants  
**Altitude** 20-40 m a.s.l.

### **Ecological unit**

- (a) Tōtara forest on gentle hillslope
- (b) Kauri forest on gentle hillslope

### **Landform/geology**

Hillslopes of Mangakahia Complex sandstone and mudstone.

### **Vegetation**

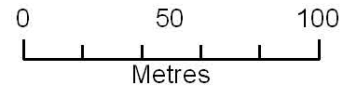
- (a) The western remnant is predominantly abundant tōtara (80% of the remnant). Tānekaha, tītoki and kākānuka/mānuka occur frequently. Emergent kauri, rewarewa, kahikatea, pūriri and kōwhai are occasional.
- (b) The remaining area is kauri dominant with the odd tānekaha and tōtara. Type (a) occurs in the remaining small eastern remnant with frequent tītoki. Emergent kauri, rewarewa, kahikatea, kōwhai and tī kōuka are present.

### **Fauna**

None noted.

### **Significance**

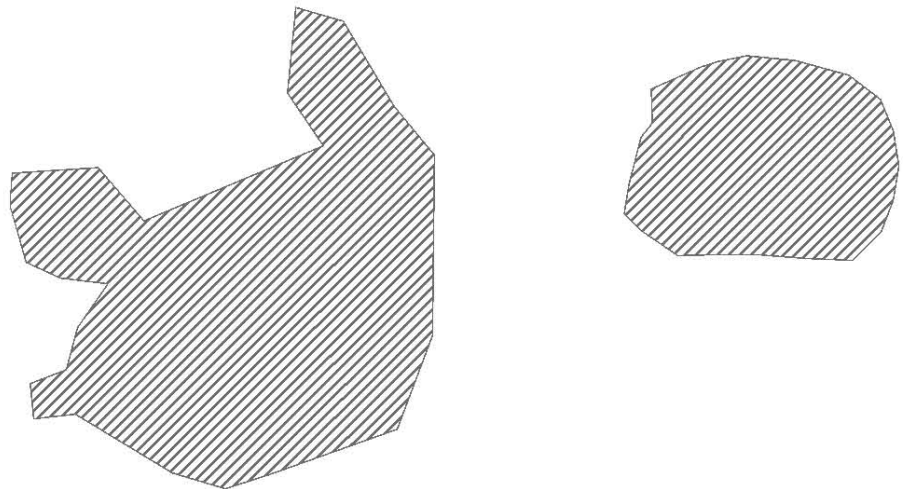
Lowland forest is an under-represented habitat type within the Tokatoka Ecological District and throughout Northland generally. These remnants also occur alongside the Okahu Stream and contain kauri which is uncommon within this District. However, the smallness of the remnants limits their significance. Approximately 0.3 ha of this site occurs within a 'Chronically Threatened' land environment (G3.1b) and 2.7 ha within a 'Critically Underprotected' land environment (A6.1c) (Walker et al. 2007).



### P08/042 Hoyle Road Remnants

#### Habitat type

-  Forest
-  Shrubland
-  Wetland



## ONEWA REMNANTS

<b>Survey no.</b>	P08/045
<b>Survey date</b>	24 May 1999
<b>Grid reference</b>	1698411E 6018497N (AX29)
<b>Area</b>	27 ha, 4 remnants
<b>Altitude</b>	60-100 m a.s.l.

### **Ecological unit**

- (a) Kahikatea-taraire-tōtara forest on moderate hillslope
- (b) Kānuka/mānuka-tōtara forest on moderate hillslope and gully

### **Landform/geology**

Hillslopes of Mangakahia Complex sandstone and mudstone.

### **Vegetation**

The northern remnant was not surveyed.

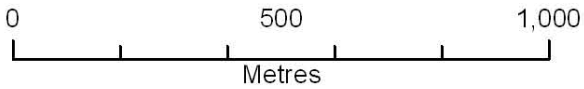
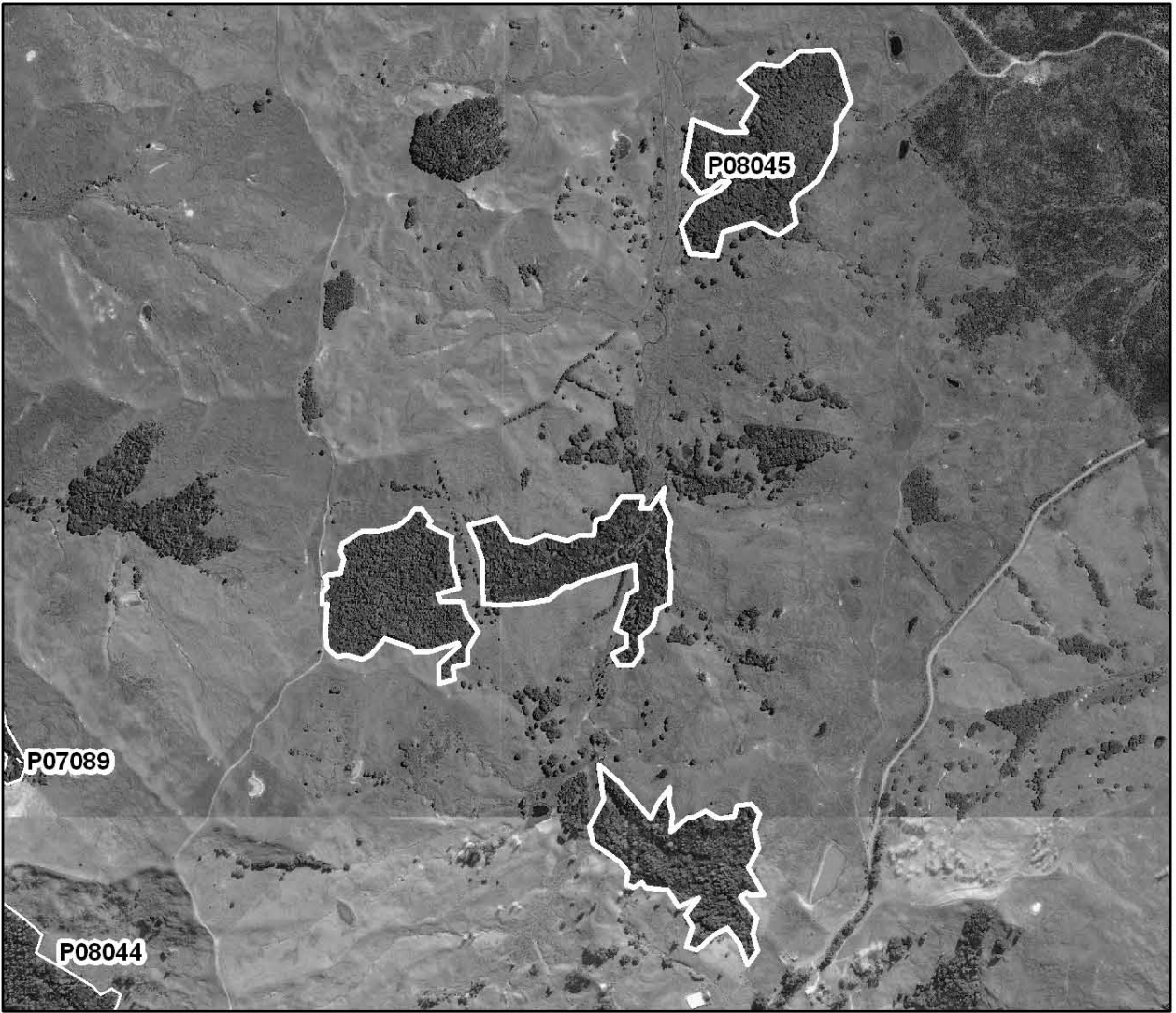
- (a) The two middle remnants contain common kahikatea, taraire and tōtara. Nīkau occurs frequently and rimu, rewarewa, pukatea, and macrocarpa (edges) are occasional.
- (b) The southern remnant is predominantly kānuka/mānuka and tōtara. Emergent kauri and taraire are frequent and rimu, rewarewa, kahikatea, tānekaha, pukatea, puka, tī kōuka, nīkau and macrocarpa are occasional.

### **Fauna**

None noted.

### **Significance**

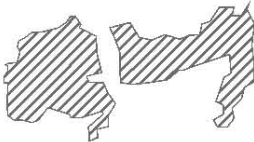
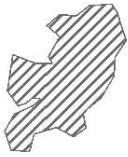
Small forested remnants within a very modified Ecological District. Approximately 2.5 ha of this site occurs within a 'Chronically Threatened' land environment (G3.1b) and 24.5 ha within a 'Critically Underprotected' land environment (A6.1a and A6.1c) (Walker et al. 2007).



### P08/045 Onewa Remnants

#### Habitat type

-  Forest
-  Shrubland
-  Wetland





## OKAHU AIRSTRIP REMNANT

**Survey no.** P08/046  
**Survey date** 10 June 1999  
**Grid reference** 1694704E 6015793N (AY29)  
**Area** 9.5 ha  
**Altitude** 20-80 m a.s.l.

### **Ecological unit**

(a) Pūriri-tōtara forest on moderate hillslope

### **Landform/geology**

Hillslopes of Mangakahia Complex sandstone and mudstone.

### **Vegetation**

Only a limited view of this site was obtained.

(a) This remnant contains co-dominant pūriri and tōtara forest. Kahikatea, taraire and kānuka/mānuka are frequent. A range of species are occasional, including emergent kauri, rewarewa, rimu, tānekaha, tōwai, puka and tī kōuka.

### **Fauna**

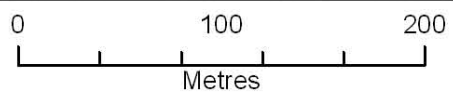
None noted.

### **Significance**

Forested hillslope arising from the Okahu Stream within a very modified Ecological District. The remnant contains a significant proportion of pūriri—a potential seasonal food source for the regionally significant kūkupa. This site is covered by a 'Critically Underprotected' land environment (A6.1c) (Walker et al. 2007).



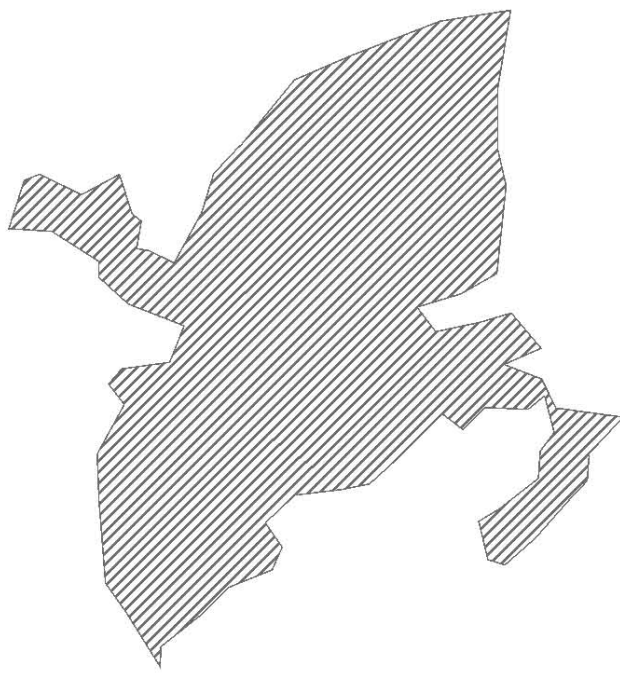
P08046



### P08/046 Okahu Airstrip Remnant

#### Habitat type

-  Forest
-  Shrubland
-  Wetland



## ARAPOHUE ROAD REMNANTS

**Survey no.** P08/048  
**Survey date** 6 October 1999  
**Grid reference** 1685345E 6017495N (AY29)  
**Area** 3.6 ha, 2 remnants  
**Altitude** 0-20 m a.s.l.

### **Ecological unit**

- (a) Kahikatea forest on alluvial flat
- (b) Nīkau forest on alluvial flat

### **Landform/geology**

Alluvium and colluvium in valley of Motatau Complex muddy limestone.

### **Vegetation**

Two small remnants with grassy patches.

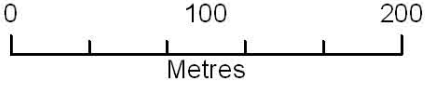
- (a) The northern remnant is abundant kahikatea with frequent tī kōuka and some tītoki, mataī, kōwhai, tōtara and nīkau.
- (b) The southern remnant contains abundant nīkau with occasional taraire, pūriri, pukatea, tōtara and tī kōuka.

### **Fauna**

None noted.

### **Significance**

Alluvial forest is an under-represented forest type in the Tokatoka Ecological District and throughout Northland generally, and nīkau forest on alluvial flats is particularly rare. However, the site is very small and the canopy is discontinuous. Approximately 2.8 ha of the site is covered by an 'Acutely Threatened' land environment (A5.1b) and 0.8 ha by a 'Chronically Threatened' land environment (A6.1d) (Walker et al. 2007).



### P08/048 Arapohue Road Remnants

#### Habitat type

-  Forest
-  Shrubland
-  Wetland

