

MANGARATA REMNANT

Survey no. P07/020
Survey date Not surveyed.
Grid reference 1690902E 6024478N (AX29)
Area 26.3 ha
Altitude 30-80 m a.s.l.

Ecological unit

(a) Forest on gentle hillslope

Landform/geology

Hillslope of Mangakahia mudstone and sandstone.

Vegetation

This site could not be viewed from the road, but 2008 aerial photography suggests that this site is native forest.

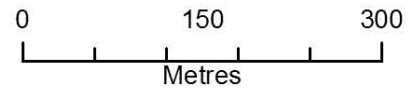
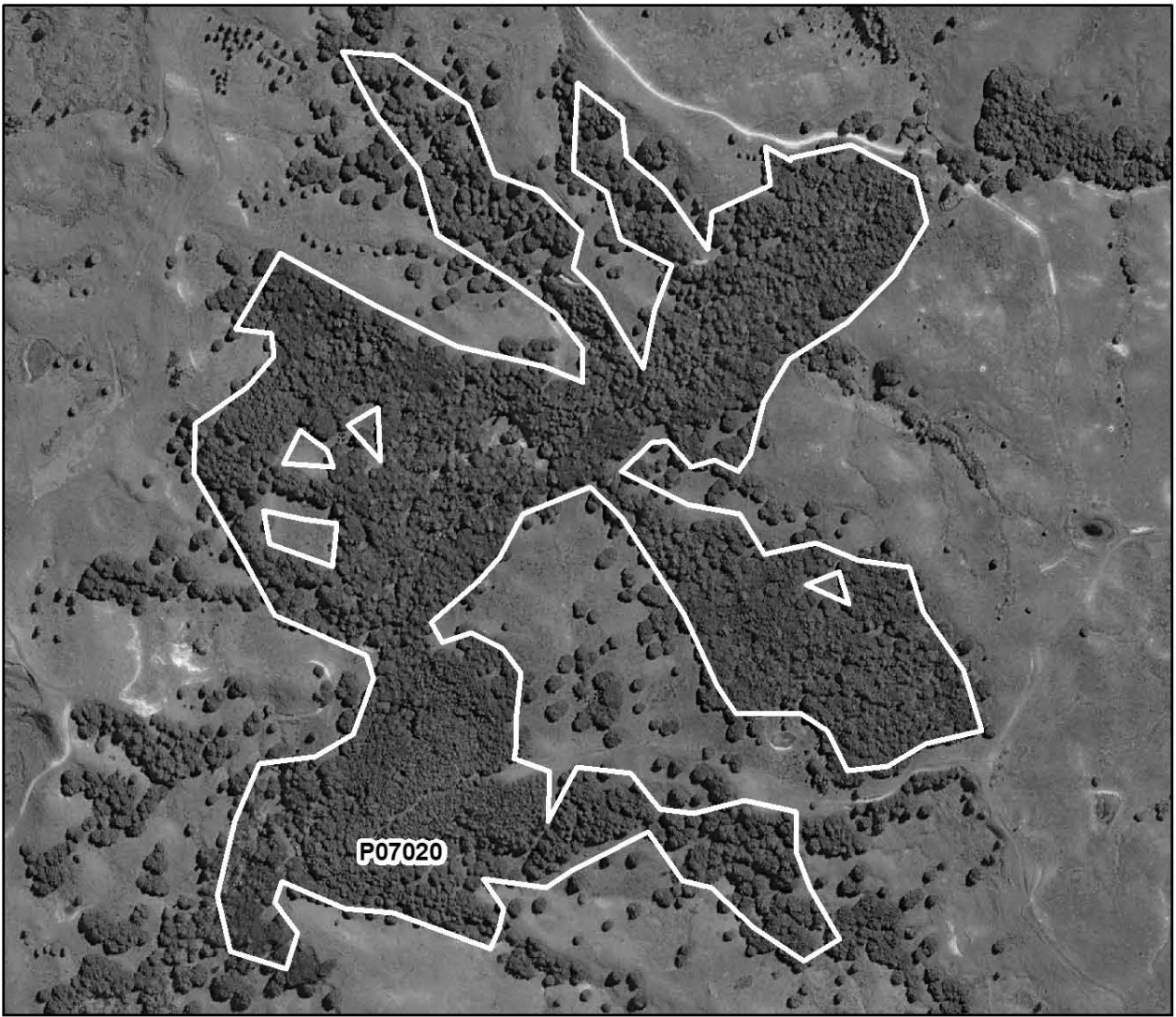
Fauna

None noted.

Significance

A forest remnant within a very modified Ecological District.

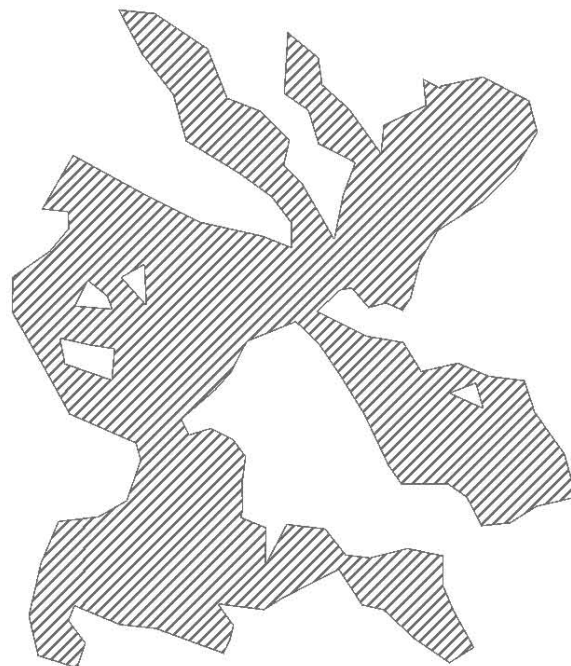
The total area of this site occurs within a 'Critically Underprotected' land environment (A6.1a and A6.1c) (Walker et al. 2007).



P07/020 Mangarata Remnant

Habitat type

-  Forest
-  Shrubland
-  Wetland



WAINUI SHRUBLAND

Survey no. P07/087
Survey date 10 June 1999
Grid reference 1695161E 6019307N (AX29)
Area 12.7 ha
Altitude 20-80 m a.s.l.

Ecological unit

- (a) Kānuka/mānuka shrubland (80%)
- (b) Kānuka/mānuka-tōtara shrubland (20%)

Landform/geology

Valley of Mangakahia Complex sandstone and mudstone.

Vegetation

Only a limited view of this site was obtained.

- (a) It appears that most of the site is kānuka/mānuka shrubland with occasional tōtara.
- (b) Kānuka/mānuka and tōtara are co-dominant over the remainder of the site. Rimu is occasional.

There is a very small patch around the middle of the remnant with some rimu and isolated kauri.

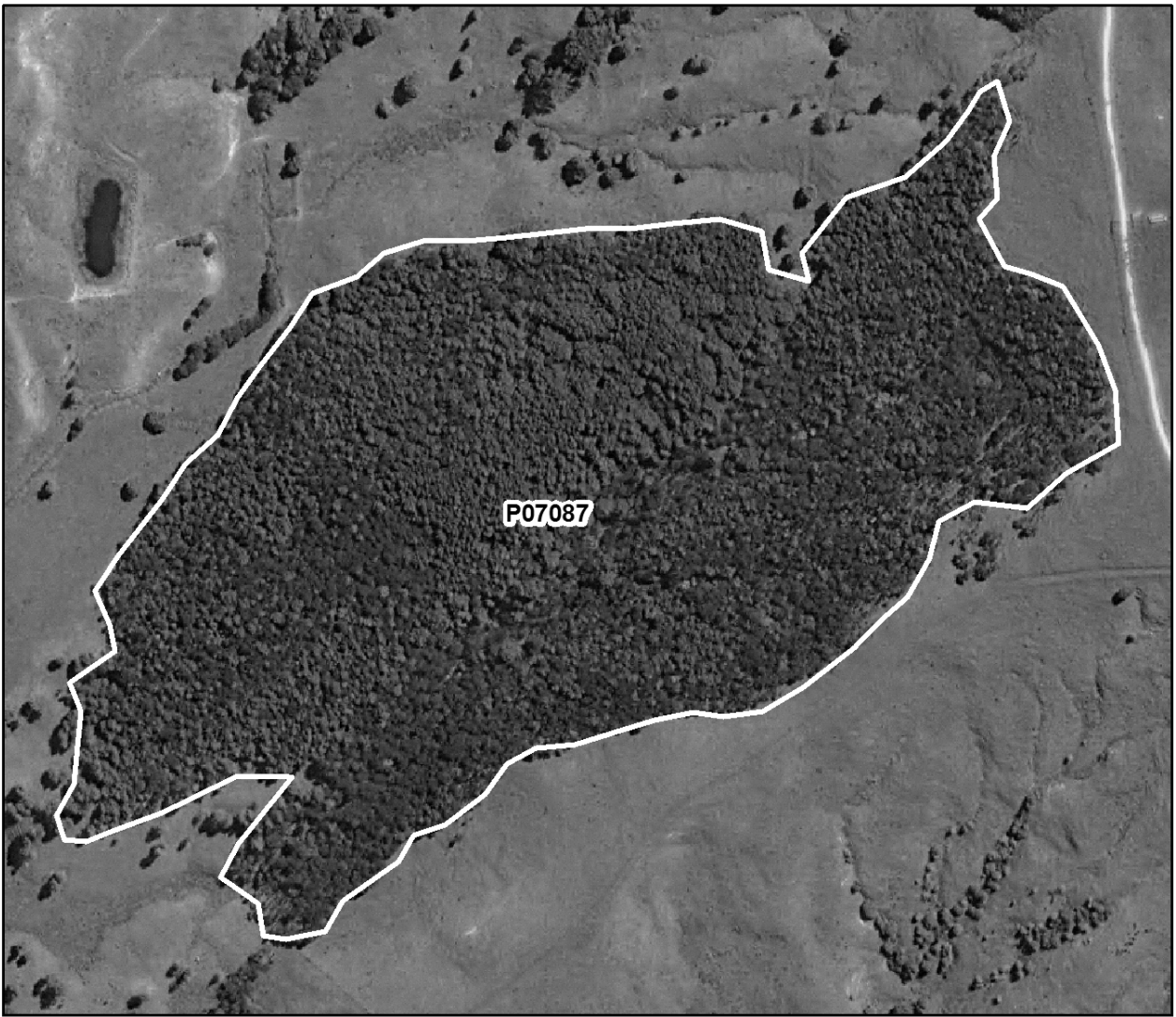
Fauna

None noted.

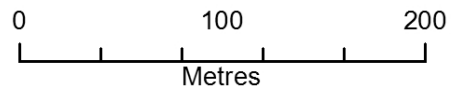
Significance

A shrubland remnant with a very modified Ecological District providing potential habitat for threatened species such as lizards and orchids. Additional survey is required to establish further values of this site.

The entire 13-ha site is within a 'Critically Underprotected' land environment (A6.1c) (Walker et al. 2007).



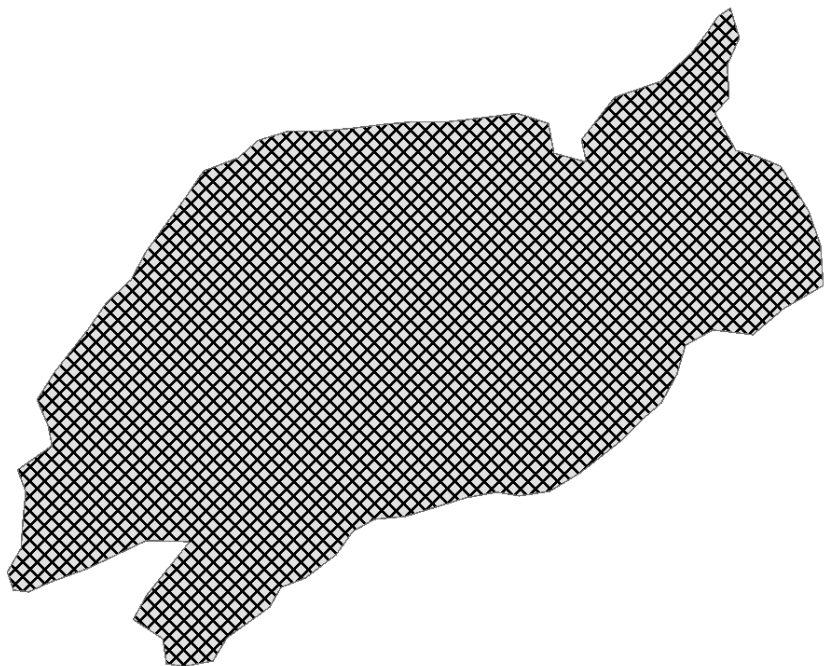
P07087



P07/087 Wainui Shrubland

Habitat type

-  Forest
-  Shrubland
-  Wetland



CURNOW ROAD HILLSLOPE REMNANTS

Survey no. P07/089
Survey date 10 June 1999
Grid reference 1696577E 6018518N (AX29)
Area 23.4 ha, 2 remnants
Altitude 40-100 m a.s.l.

Ecological unit

(a) Tōtara-kānuka/mānuka forest on moderate hillslope

Landform/geology

Hillslope of Mangakahia Complex sandstone and mudstone.

Vegetation

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

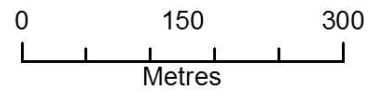
(a) Tōtara is abundant and kānuka/mānuka is common in the northwestern remnant. Kahikatea is frequent. Several species are occasional including, kauri, rimu, pūriri, tītoki, taraire, māhoe and māpou.

Fauna

None noted.

Significance

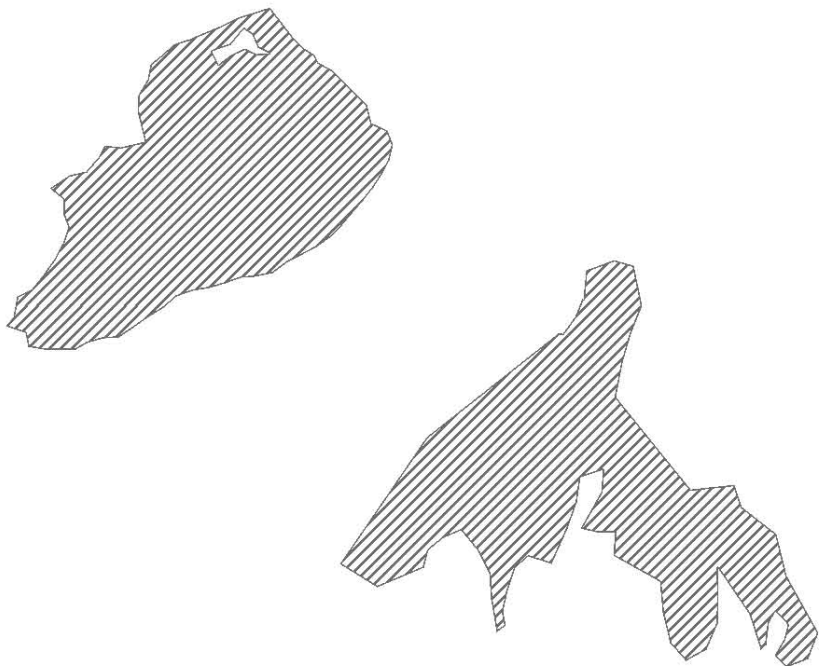
Regenerating forest remnants within a very modified Ecological District. This site is within a 'Critically Underprotected' land environment (A6.1c) (Walker et al. 2007).



P07/089 Curnow Road Hillslope Remnants

Habitat type

-  Forest
-  Shrubland
-  Wetland



NORTH POLE ROAD REMNANTS

Survey no.	P07/094
Survey date	6 October 1999, 10 November 2009
Grid reference	1689687E 6019198N (AX29)
Area	37 ha, 3 remnants (23.7 ha forest, 13.3 ha shrubland)
Altitude	0-100 m a.s.l.

Ecological unit

- (a) Kānuka/mānuka-tōtara forest on gentle and moderate hillslope
- (b) Kānuka/mānuka shrubland on moderate hillslope
- (c) Taraire forest on moderate hillslope
- (d) Kahikatea forest on alluvial flat

Landform/geology

Hillslopes of Mangakahia Complex sandstone and mudstone.

Vegetation

Northern remnant (very limited view only)

- (a) Kānuka/mānuka and tōtara forest occurs on the southeast hillslope of this remnant. There are occasional emergent pole kauri and rimu.
- (b) Kānuka/mānuka shrubland occurs on the south-facing hillslope in the northern part of this remnant.

Southern remnant

Type (a) kānuka/mānuka and tōtara are dominant on the hillslope along with occasional kahikatea and pūriri.

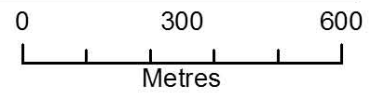
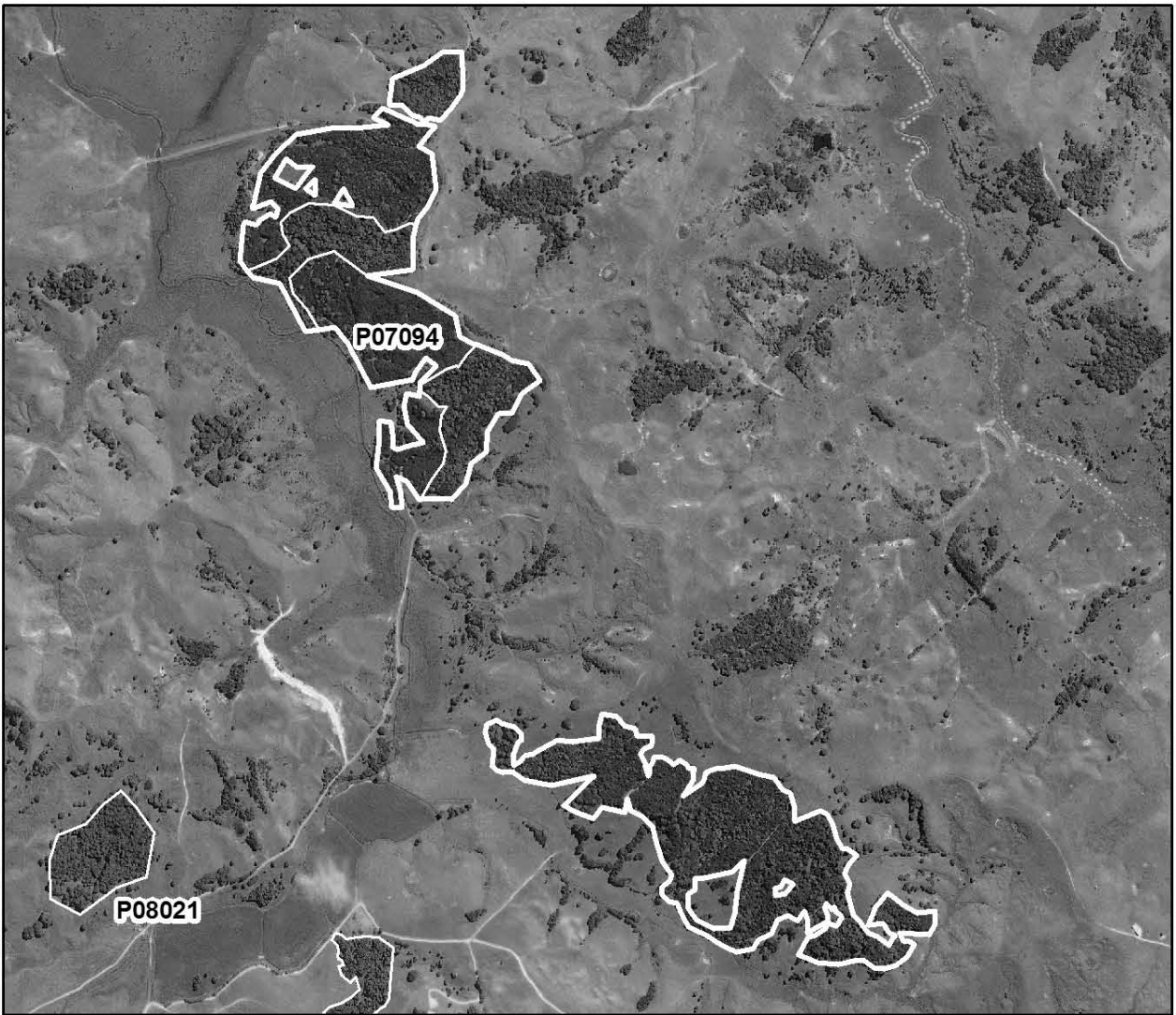
- (c) A small area of abundant taraire with frequent pūriri. Rewarewa, kahikatea and kohekohe are also present.
- (d) In a small area on the flat, a very open canopy of kahikatea occurs.

Fauna

None noted.

Significance

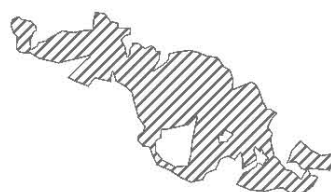
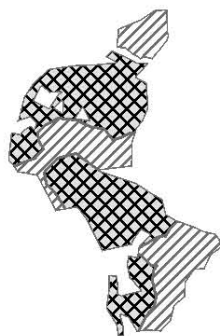
Regenerating forested remnants arising from a tributary of the Manganui River within a very modified Ecological District. Kahikatea forest on alluvium is an under-represented vegetation type within this District and throughout Northland generally; however, the site's small size limits its significance. Approximately 2.5 ha of the site is within a 'Chronically Threatened' land environment (A5.2a, G3.1b); 1.2 ha within an 'At Risk' land environment (A6.1b) and 34 ha within a 'Critically Underprotected' land environment (A6.1c) (Walker et al. 2007).



P07/094 North Pole Road Remnants

Habitat type

- Forest
- Shrubland
- Wetland



PUKEHUIA KAHIKATEA REMNANT

Survey no. P07/095
Survey date 6 October 1999
Grid reference 1686766E 6021418N (AX29)
Area 0.6 ha
Altitude 0-20 m a.s.l.

Ecological unit

(a) Kahikatea forest on alluvium

Landform/geology

Floodplain of Holocene alluvium.

Vegetation

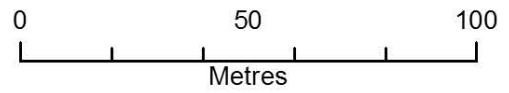
(a) A very small discontinuous kahikatea remnant with an open grazed understorey. Tī kōuka is frequent and tōtara is occasional.

Fauna

None noted.

Significance

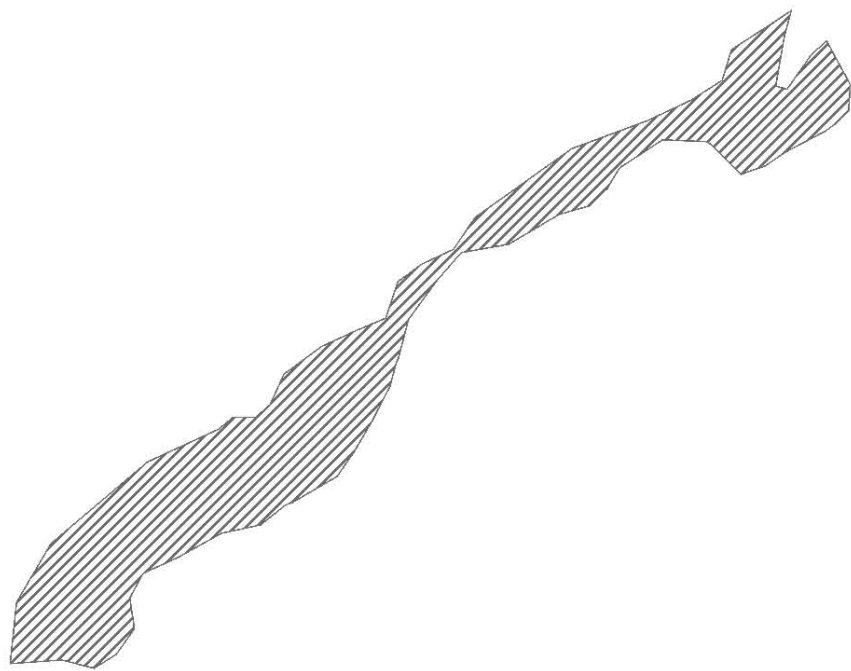
Kahikatea on alluvium is an under-represented vegetation type in the Tokatoka Ecological District and in Northland generally; however, this site is very small with an open canopy and grazed open understorey. The site occurs within a 'Chronically Threatened' land environment (G3.1b) (Walker et al. 2007).



P07/095 Pukehuia Kahikatea Remnant

Habitat type

-  Forest
-  Shrubland
-  Wetland



TURIWIRI REMNANTS

Survey no.	P07/098a
Survey date	10 November 2009
Grid reference	1681443E 6021913N (AX28)
Area	5.1 ha, 4 remnants
Altitude	10-60 m a.s.l.

Ecological unit

(a) Tōtara forest on moderate hillslope

Landform/geology

Hillslope of Mangakahia mudstone.

Vegetation

Four remnants dominated by tōtara.

(a) The two northern remnants are dominated by tōtara with kahikatea, nīkau, kānuka/mānuka and tī kōuka occasionally present.

The middle remnant comprises tōtara with frequent pole kahikatea and occasional emergent kauri, nīkau, tī kōuka, pūriri, kohekohe and kānuka/mānuka.

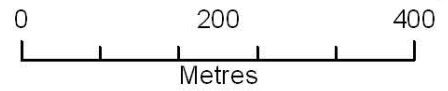
The remaining remnant opposite Turiwiri Scenic Reserve (P07/097) is tōtara with frequent emergent kauri.

Fauna

None noted.

Significance

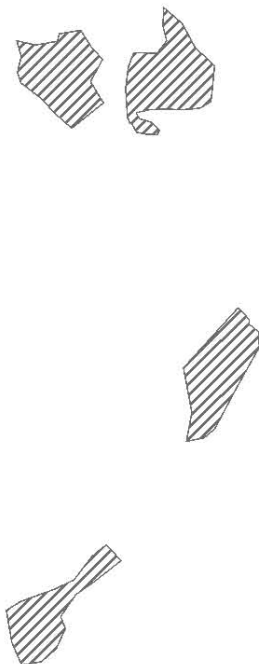
Four very small forest remnants adjacent to the almost completely modified Ruawai flats located within a very modified Ecological District. Approximately 1.8 ha of this site is within a 'Chronically Threatened' land environment (A6.1d) and 3.6 ha within an 'At Risk' land environment (A6.1b) (Walker et al. 2007).



P07/098a Turiwiri Remnants

Habitat type

-  Forest
-  Shrubland
-  Wetland



CLEAR ROAD SHRUBLAND

Survey no. P07/099
Survey date 13 October 1999
Grid reference 1683334E 6022272N (AX28)
Area 8.7 ha
Altitude 20-70 m a.s.l.

Ecological unit

(a) Kānuka/mānuka shrubland on moderate hillslope

Landform/geology

Hillslope of Mangakahia Complex mudstone.

Vegetation

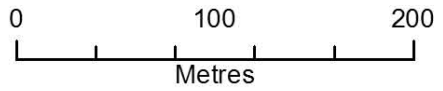
(a) Tall kānuka/mānuka occurs on this hillslope along with frequent tōtara. Kahikatea, tānekaha, kauri, māpou and emergent pine are occasional.

Fauna

None noted.

Significance

A small shrubland remnant within a very modified Ecological District. Native shrubland areas can provide important habitat for threatened species such as lizards and orchids. Approximately 8.8 ha of this site occurs within an 'At Risk' land environment (A6.1b) and 0.1 ha within a 'Critically Underprotected' land environment (A6.1c) (Walker et al. 2007).



P07/099 Clear Road Shrubland

Habitat type

-  Forest
-  Shrubland
-  Wetland



PUKEHUIA HILL BUSH

Survey no.	P07/102
Survey date	6 October 1999
Grid reference	1686249E 6022328N (AX29)
Area	12.8 ha, 2 remnants (6.5 ha forest, 6.3 ha shrubland)
Altitude	20-94 m a.s.l.

Ecological unit

- (a) Kānuka/mānuka-tōtara forest on moderate hillslope
- (b) Tōtara-tōwai forest on moderate to steep hillslope
- (c) Undescribed shrubland on hillslope

Landform/geology

Scarp of Mangakahia Complex sandstone and mudstone.

Vegetation

(a) Kānuka/mānuka and tōtara occur on the western side of the site along with a range of occasional species including rewarewa, pūriri, tānekaha, kahikatea, tōwai, māhoe, taraire, tī kōuka, mamaku and māpou.

(b) To the east, adjacent to Pukehuia Road, tōtara and tōwai are co-dominant. Kānuka/mānuka is frequent and occasional species include kahikatea, karaka, kohekohe, pūriri, māhoe, kōhūhū, nīkau, tī kōuka, māpou, *Coprosma* sp. and patē.

Cotoneaster and pampas occur on the edges.

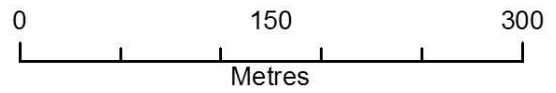
(c) The patchy shrubland area in the north was not described on the day of survey and has been added as a result of 2008 aerial photography under the presumption that it is indigenous shrubland.

Fauna

None noted.

Significance

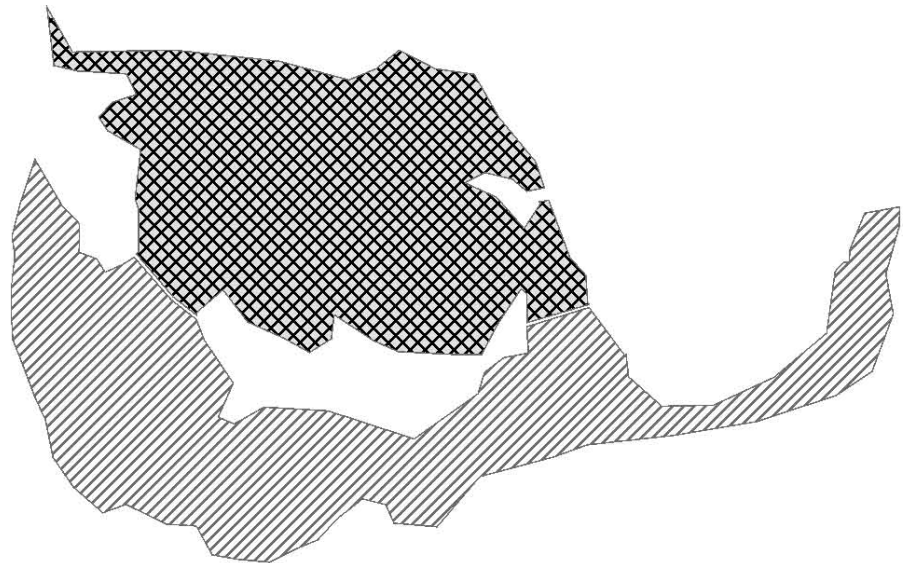
A regenerating forest and shrubland remnant located within a very modified Ecological District. Approximately 0.8 ha of this site is within a 'Chronically Threatened' land environment (G3.1b) and 12.7 ha within a 'Critically Underprotected' land environment (A6.1a, A6.1c) (Walker et al. 2007).



P07/102 Pukehuia Hill Bush

Habitat type

-  Forest
-  Shrubland
-  Wetland



SPENCE'S BUSH

Survey no.	P07/105
Survey date	SSBI survey only—1978 & 1992 (SSBI P07/H045)
Grid reference	1686720E 6024116N (AX29)
Area	11 ha, 2 remnants
Altitude	20–80 m a.s.l.

Ecological unit

(a) Tōtara forest on hillslope

Landform/geology

Hillslopes of Mangakahia Complex sandstone and mudstone.

Vegetation

This site was unable to be viewed from the road or vantage points.

(a) SSBI P07/H045 describes this site as being secondary tōtara forest. Other species recorded include kauri, kahikatea, taraire, kohekohe, pukatea, pūriri, nīkau and tī kōuka.

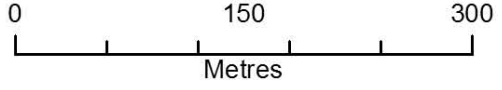
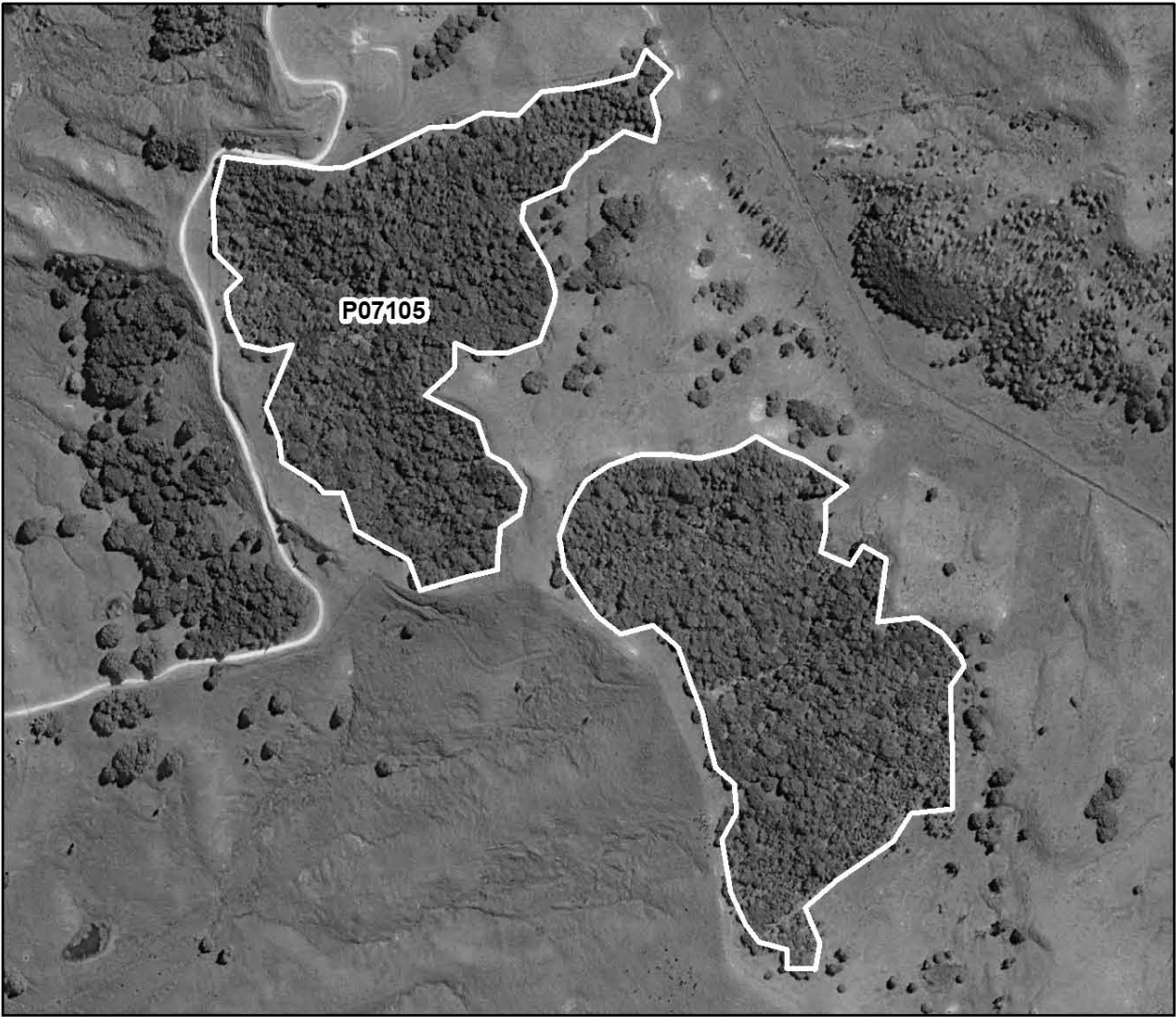
Fauna

Records from SSBI P07/H045: Historical record (1978) of NI brown kiwi (Nationally Vulnerable) reported by the farmer.

1992 records of kūkupa (regionally significant species), morepork, grey warbler, NZ kingfisher, NI fantail and silvereye.

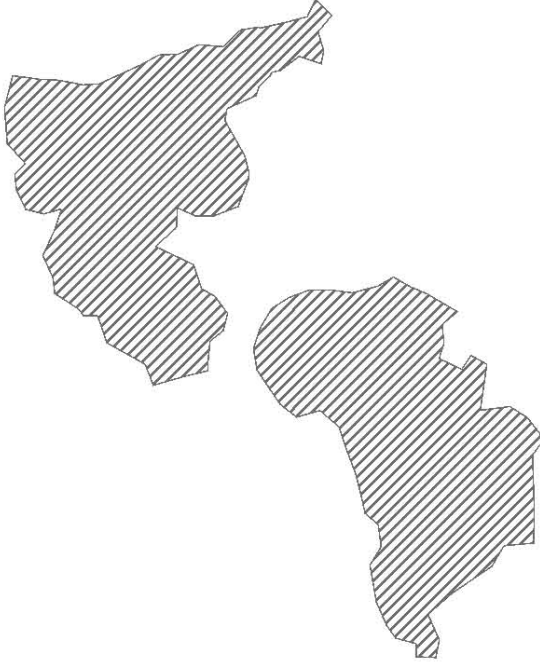
Significance

Two small regenerating forest remnants within a very modified Ecological District. A 1992 SSBI survey recorded the regionally significant kūkupa and noted that the understorey was absent due to grazing. Approximately 0.1 ha of this site occurs within a 'Chronically Threatened' land environment (G3.1b) and 11 ha within a 'Critically Underprotected' land environment (A6.1c) (Walker et al. 2007).



P07/105 Spence's Bush

- Habitat type**
- Forest
 - Shrubland
 - Wetland



WINDY HILL REMNANTS

Survey no.	P07/106
Survey date	19 October 1999
Grid reference	1688684E 6023505N (AX29)
Area	18 ha, 4 remnants
Altitude	40-100 m a.s.l.

Ecological unit

- (a) Taraire forest on gentle and moderate hillslope
- (b) Tōwai forest on moderate hillslope

Landform/geology

Hillslopes of Mangakahia Complex sandstone and mudstone.

Vegetation

The following ecological unit descriptions have been labelled (1), (2), (3) etc. with the site map labelled accordingly to show where the described areas occur.

(1)

(a) Taraire occurs in the northwestern remnant with frequent tōtara. Emergent kauri, kahikatea, rewarewa, pūriri and nīkau are present.

(2)

Taraire forest, type (a), also occurs in this remnant, along with frequent kahikatea and tōtara. Pukatea, rimu, kohekohe, tawa, tōwai, pūriri, nīkau, puka, mamaku and kānuka/mānuka occur in the canopy.

(3)

(b) This remnant comprises abundant tōwai along with frequent taraire and kānuka/mānuka and occasional rimu, kauri, rewarewa, pukatea, tōtara, pūriri, mamaku and emergent pine.

(4)

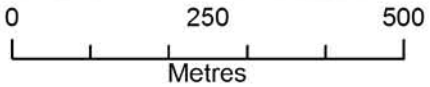
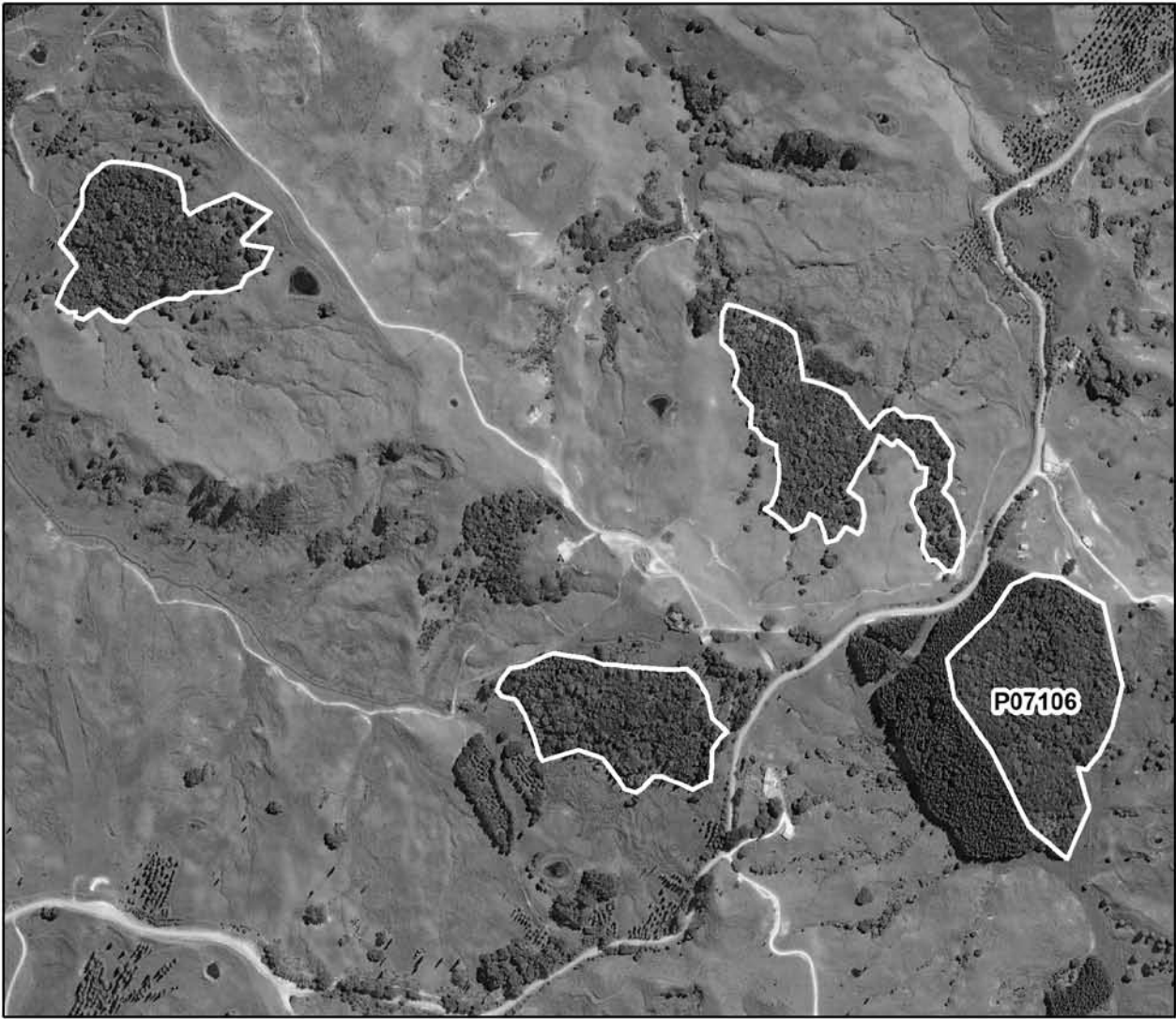
This remnant was not surveyed.

Fauna

None noted.




Significance

Four small forested remnants, providing stepping stone habitat within a very modified Ecological District, providing a seasonal food source (taraire, pūriri, tawa) for the regionally significant kūkupa. Type (b) abundant tōwai forest is unrecorded elsewhere in the Tokatoka Ecological District (remnant (3)—3.8 ha); however, it is not regarded as being representative because of its size. This site occurs within a 'Critically Underprotected' land environment (A6.1c) (Walker et al. 2007).



P07/106 Windy Hill Remnants

Habitat type

-  Forest
-  Shrubland
-  Wetland

