

OMANA ROAD COVENANT

Survey no.	Q07/180
Survey date	Not surveyed—information from N. Matich (Queen Elizabeth II National Trust Kaipara regional representative)
Grid reference	1709294E 6028713N (AX30)
Area	1.5 ha
Altitude	60 m a.s.l.

Ecological unit

(a) Taraire forest on gentle hillslope

Landform/geology

Alluvial/colluvial deposits in area of mudstone.

Vegetation

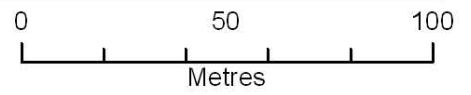
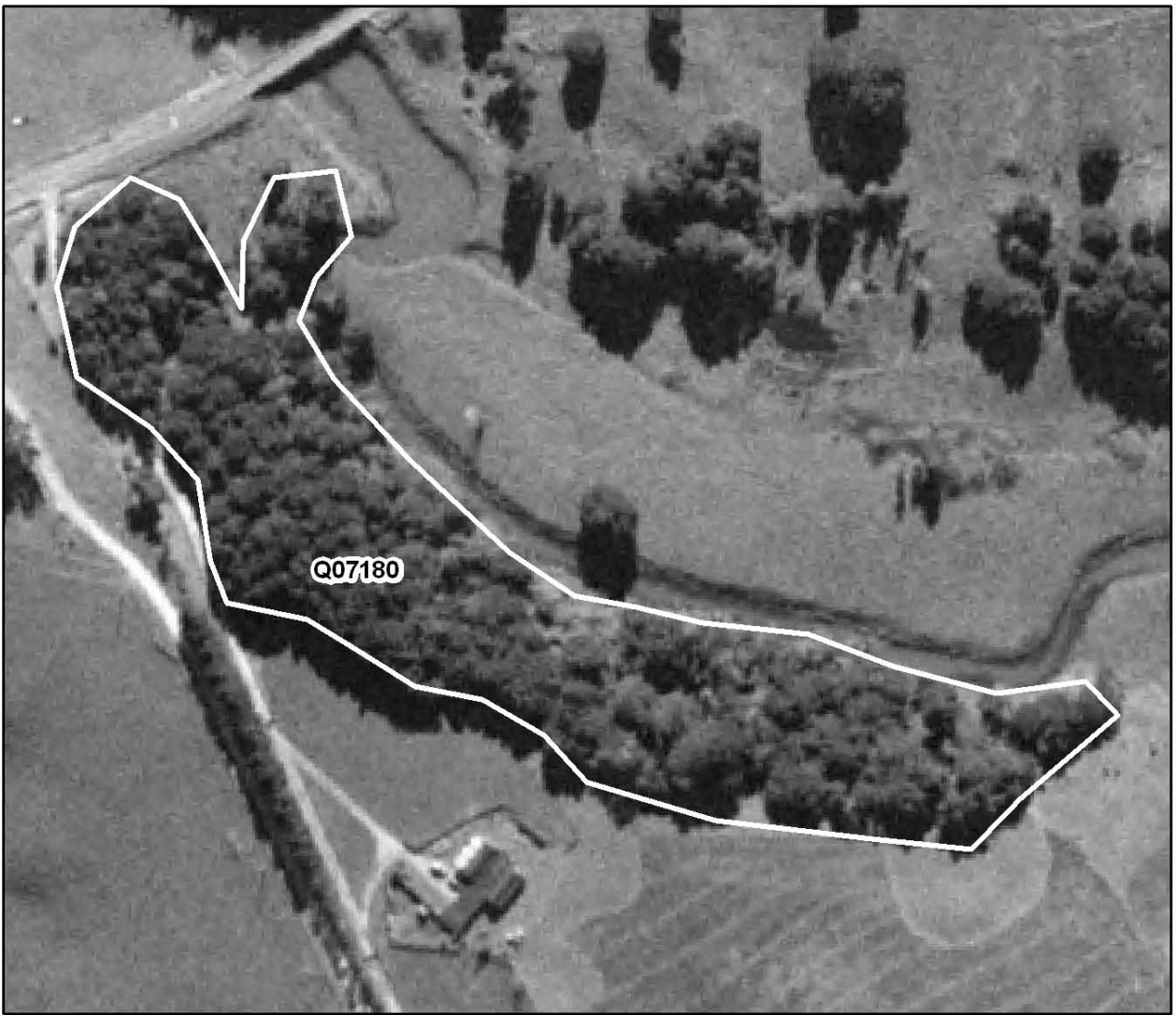
(a) Predominantly taraire forest with tī kōuka. In the understorey, nīkau, mamaku, and ponga are also present.

Fauna

Kūkupa (regionally significant species), NI kingfisher, NI fantail, Australasian harrier and pūkeko (information from N. Matich (Queen Elizabeth II National Trust Kaipara regional representative)).

Significance

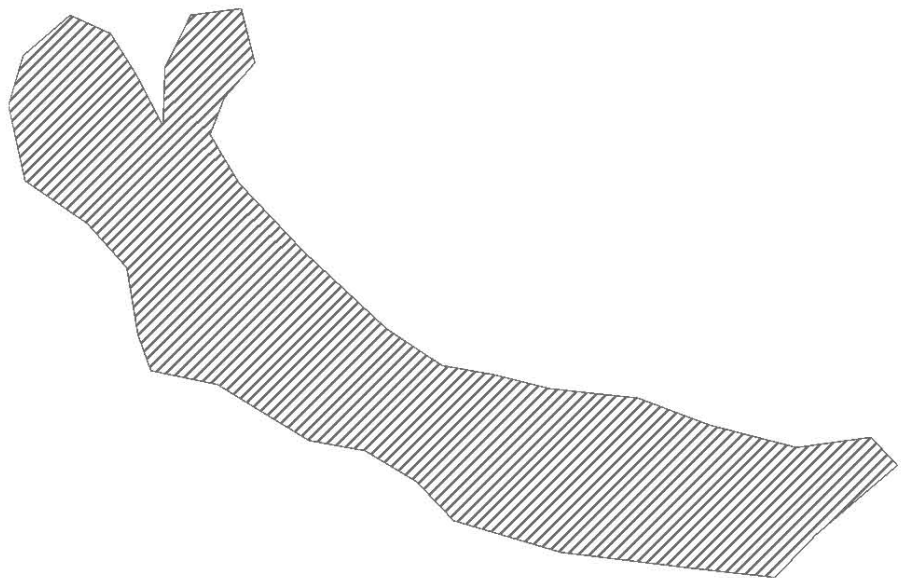
A small streamside forest remnant protected by a Queen Elizabeth II National Trust Open Space covenant (1.4 ha). Approximately 0.3 ha of this site occurs within a 'Chronically Threatened' land environment (G3.1b) and 1.1 ha within a 'Critically Underprotected' land environment (A6.1a) (Walker et al. 2007).



Q07/180 Omana Road Covenant

Habitat type

-  Forest
-  Shrubland
-  Wetland



PUKEKOHE COVENANTS

Survey no.	Q08/001
Survey date	Not surveyed—information from N. Matich (Queen Elizabeth II National Trust Kaipara regional representative)
Grid reference	1707627E 6013607N (AY29)
Area	8.5 ha, 2 remnants
Altitude	80-100 m a.s.l.

Ecological unit

(a) Taraire-tōtara forest on hillslope

Landform/geology

Mangakahia Complex mudstone/sandstone and Te Kuiti group limestone.

Vegetation

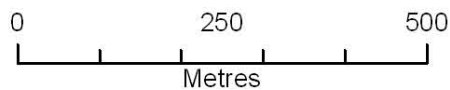
(a) The two remnants are primarily taraire and tōtara. Other species present include kohekohe, rewarewa, kahikatea, kauri, kānuka and nīkau.

Fauna

None noted.

Significance

Two small forest remnants are protected as open space covenants (7.6 ha) through the Queen Elizabeth II National Trust. The covenant in the southwestern remnant is larger than what is represented here. This area was not included, as it is being revegetated and is still largely in grass. Of interest is that this area includes limestone escarpments and tomos (N. Matich (Queen Elizabeth II National Trust Kaipara regional representative) pers. comm.). Approximately 2 ha of this site occurs within a 'Chronically Threatened' land environment (A6.1d and G3.1b) and 6.4 ha within a 'Critically Underprotected' land environment (A6.1c) (Walker et al. 2007).



Q08/001 Pukekohe Covenants

Habitat type

-  Forest
-  Shrubland
-  Wetland



SMITH ROAD REMNANTS

Survey no.	Q08/006
Survey date	23 June 1998
Grid reference	1700549E 6009301N (AY29)
Area	36 ha, 5 remnants (30.3 ha forest, 5.8 ha shrubland)
Altitude	60-120 m a.s.l.

Ecological unit

- (a) Taraire forest on hillslope
- (b) Kānuka/mānuka-tōtara forest on hillslope
- (c) Tōtara forest on hillslope
- (d) Kānuka/mānuka-tōtara shrubland on hillslope

Landform/geology

Hillslopes and valleys of Mangakahia Complex mudstone.

Vegetation

Differences between 2002 and 2008 aerial photography indicate that vegetation clearance has occurred in this site, with a reduction in the area of vegetation from 44.47 ha to 36 ha.

The very northern remnant was reduced in size from 11.4 ha in 2002 to 7.5 ha in 2008. Clearance also reduced the two remnants just to the south from 9.9 ha in 2002 to 5.7 ha in 2008.

In 1998, the northern remnant contained the following ecological units: (a), (b) and (c); however, because clearance has occurred, updated survey is required.

- (a) Abundant taraire with some emergent kauri, kahikatea, rewarewa, rimu and pukatea.
- (b) Kānuka/mānuka and tōtara with frequent kahikatea and occasional rimu.
- (c) Tōtara with some tānekaha and tī kōuka.
- (d) The two small shrubland areas are mainly kānuka/mānuka and tōtara.

The remaining forest area is mostly type (a) taraire forest, with frequent kahikatea and occasional pūriri, rewarewa, rimu, tōtara, pukatea and nīkau.

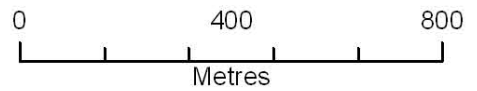
Type (c) tōtara occurs on the upper slopes, with some emergent kauri, kahikatea, rimu, rewarewa, pūriri and nīkau.

Fauna

None noted.

Significance

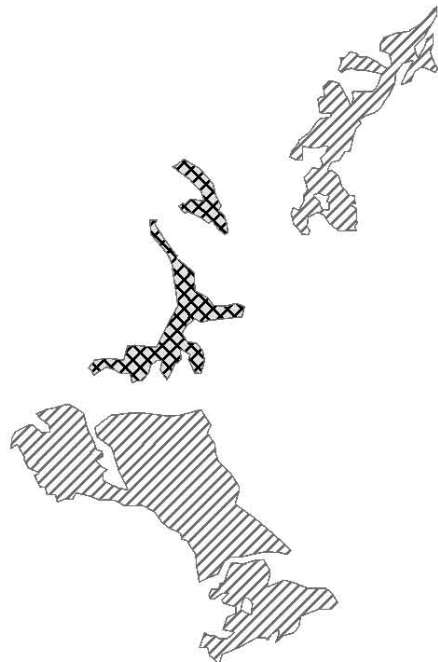
A collection of small fragmented remnants within a very modified Ecological District. This site occurs within an 'At Risk' land environment (A6.1b) (Walker et al. 2007).



Q08/006 Smith Road Remnants

Habitat type

-  Forest
-  Shrubland
-  Wetland



PARAHI ROAD REMNANT

Survey no. Q08/007
Survey date 20 April 1999
Grid reference 1699979E 6007211N (AY29)
Area 7.7 ha
Altitude <80-100 m a.s.l.

Ecological unit

(a) Kahikatea-tōtara forest on gentle hillslope

Landform/geology

Hillslope of Mangakahia Complex mudstone.

Vegetation

(a) A limited view of this remnant indicates an association of kahikatea and tōtara with frequent kāmuka/mānuka and occasional pūriri, rimu, rewarewa, kauri, tānekaha and puka.

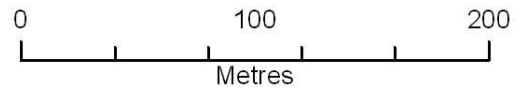
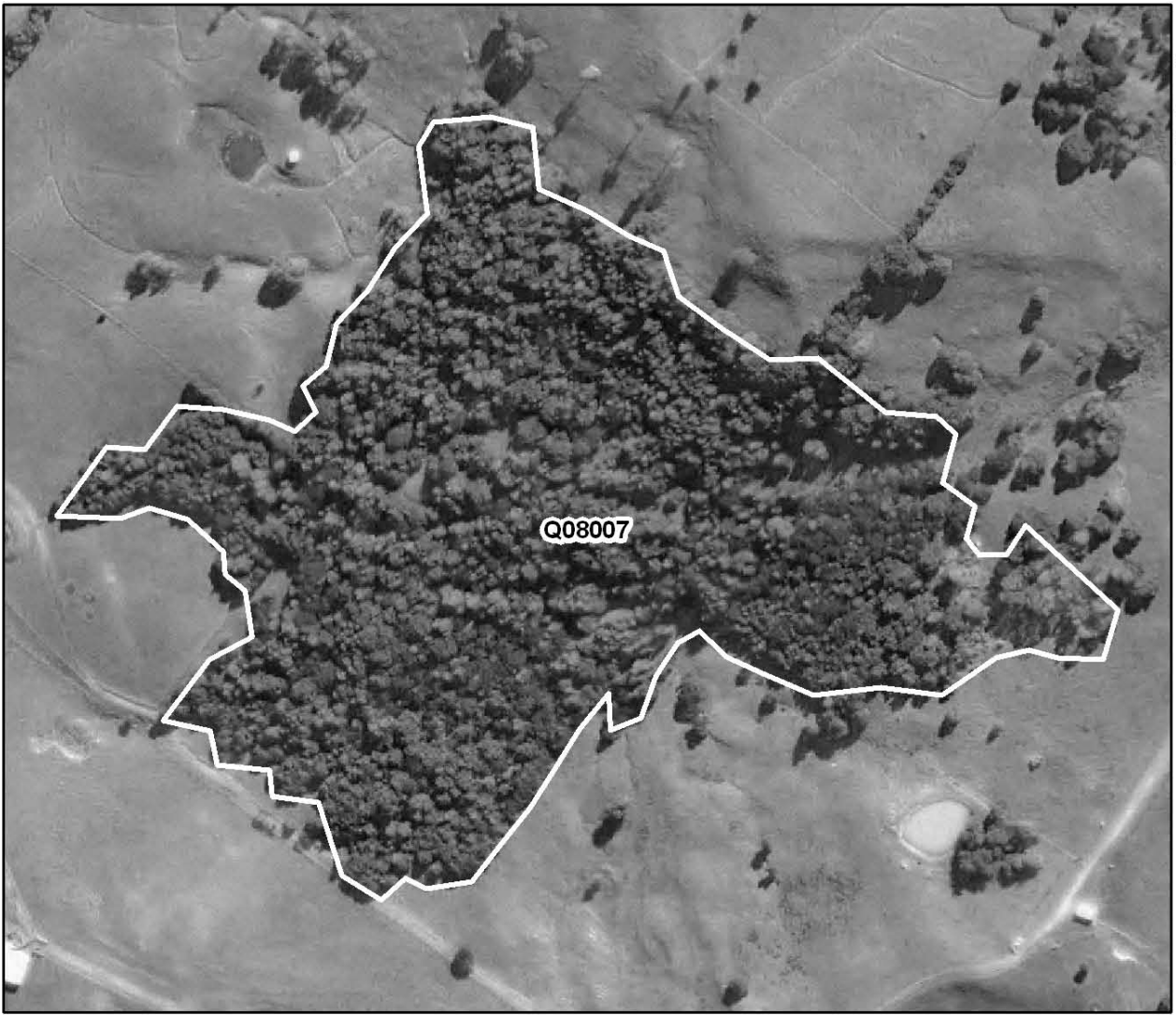
Fauna

None noted.

Significance



A small remnant providing stepping stone habitat within a very modified Ecological District.

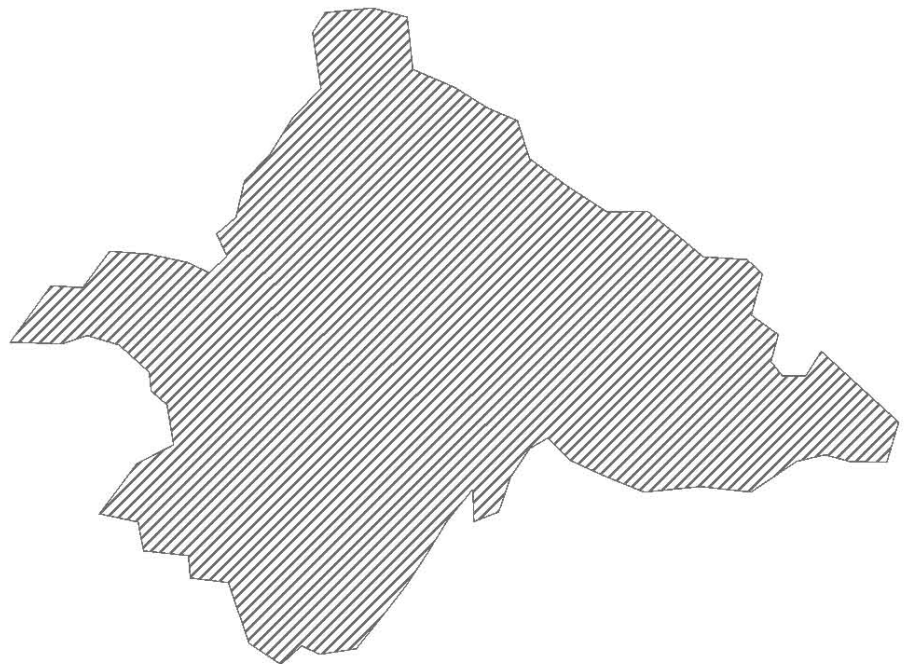
This site occurs within an 'At Risk' land environment (A6.1b) (Walker et al. 2007).



Q08/007 Parahi Road Remnant

Habitat type

-  Forest
-  Shrubland
-  Wetland



UPPER PAGE ROAD REMNANT

Survey no. Q08/008
Survey date 23 June 1998
Grid reference 1701679E 6013622N (AY29)
Area 10.9 ha
Altitude 10-60 m a.s.l.

Ecological unit

(a) Tōtara forest on hillslope and gully

Landform/geology

Mangakahia Complex mudstone/sandstone.

Vegetation

(a) A tōtara-abundant remnant with:

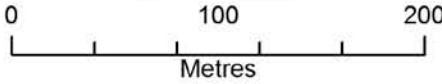
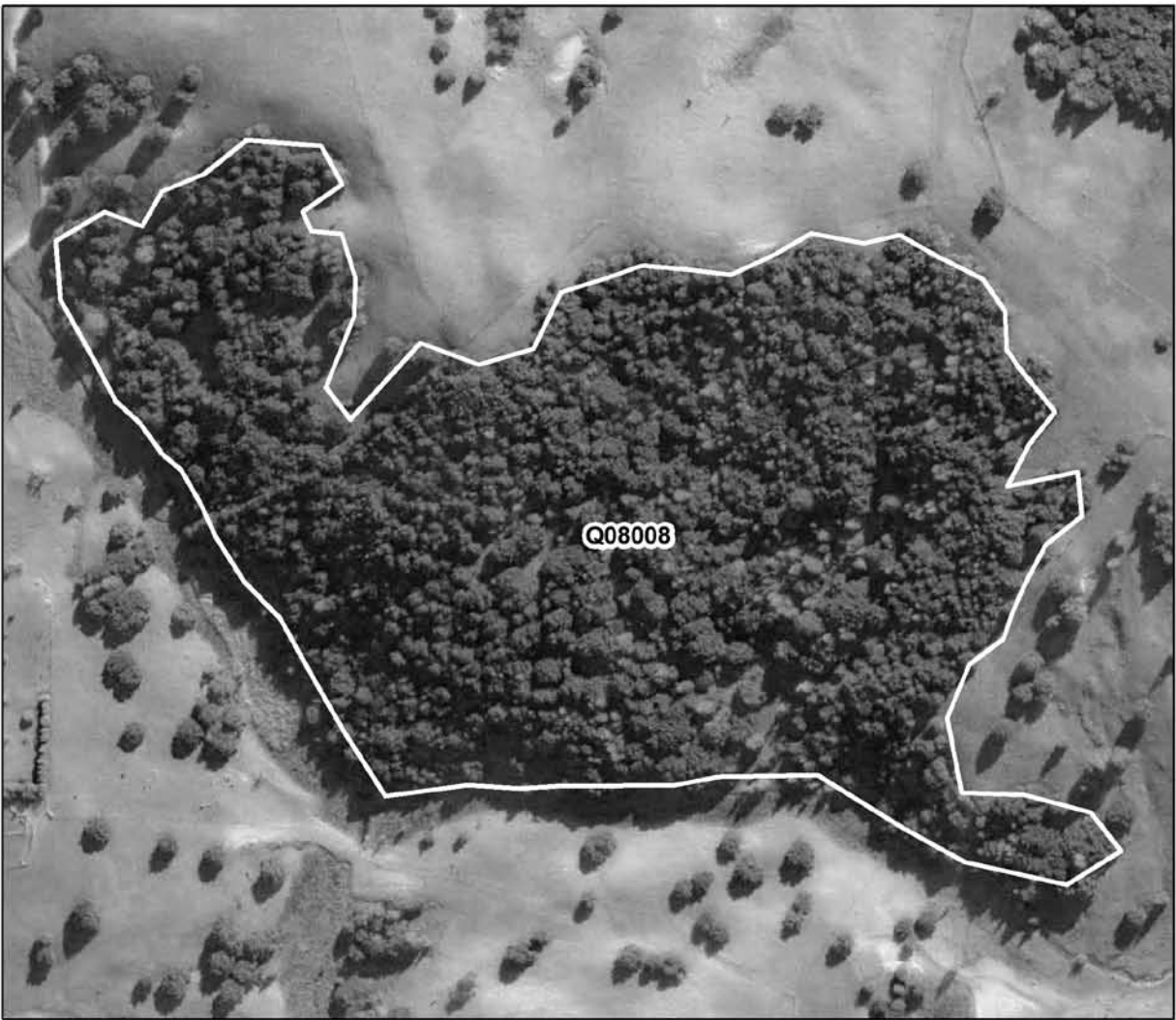
- (i) In the west, occasional kahikatea and kānuka/mānuka.
- (ii) At the eastern end, frequent kahikatea and occasional pukatea and rewarewa.

Fauna

None noted.

Significance

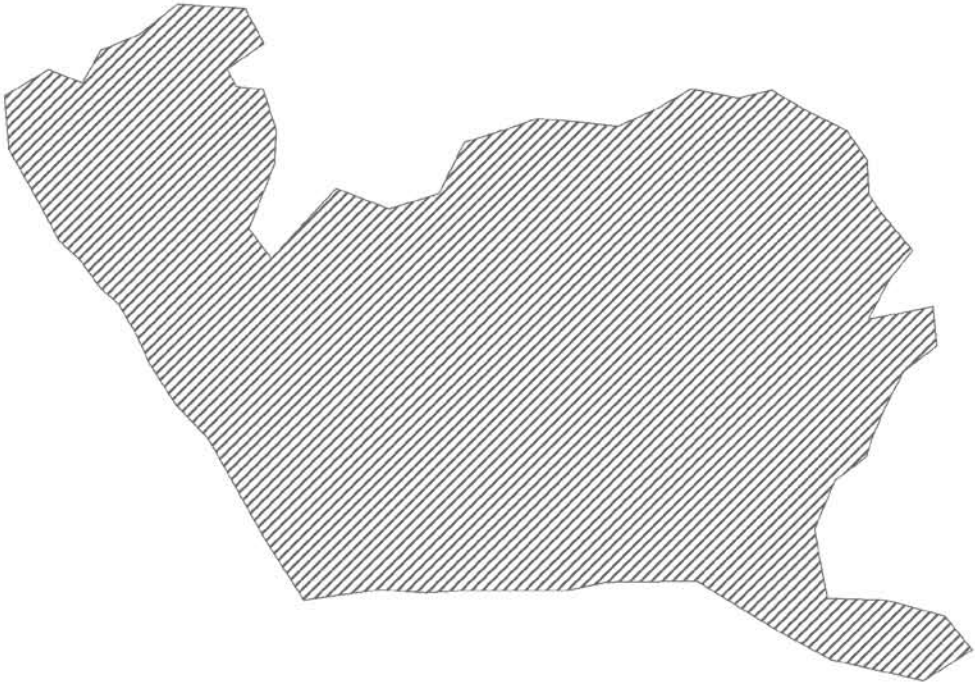
A small forest remnant providing stepping stone habitat within a very modified Ecological District and a riparian buffer to a tributary of the Manganui River. This site occurs within an 'At Risk' land environment (A6.1b) (Walker et al. 2007).



Q08/008 Upper Page Road Remnant

Habitat type

-  Forest
-  Shrubland
-  Wetland



MID ARARUA ROAD BUSH REMNANTS

Survey no.	Q08/013
Survey date	28 April 1998
Grid reference	1704538E 6015713N (AY29)
Area	30.7 ha, 3 remnants
Altitude	10-60 m a.s.l.

Ecological unit

- (a) Taraire forest on hillslope
- (b) Tōtara forest on alluvium
- (c) Tōtara forest on hillslope

Landform/geology

Mangakahia Complex sandstone and mudstone.

Vegetation

Vegetation clearance occurred in the northern remnant between 2002 and 2008, as shown by aerial photography, reducing this remnant from 9.6 ha (2002) to 7.7 ha (2008).

Three separate forested remnants alongside Ararua Road; only a limited view of this site was obtained.

(a) In the northern remnant, abundant taraire occurs with frequent tōtara and occasional rimu, pūriri, kahikatea, rewarewa and tōwai. A border along the southeastern boundary of this remnant was cleared between 2002 and 2008 (as shown by aerial photography).

(c) Along the stream in the northern remnant, tōtara is common with occasional tī kōuka, kōwhai, mānatu, tītoki and rewarewa.

(d) Tōtara forest occurs in the middle remnant.

Type (b) abundant taraire occurs in the southern remnant along with frequent tōtara and occasional kahikatea, rewarewa, rimu, tōwai and tānekaha.

Type (d) tōtara forest also occurs here, along with occasional rimu, rewarewa, pūriri and kahikatea.

Significant flora

Mānatu (regionally significant species) recorded during this survey.

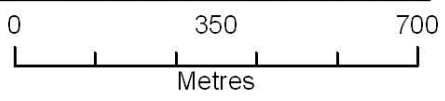
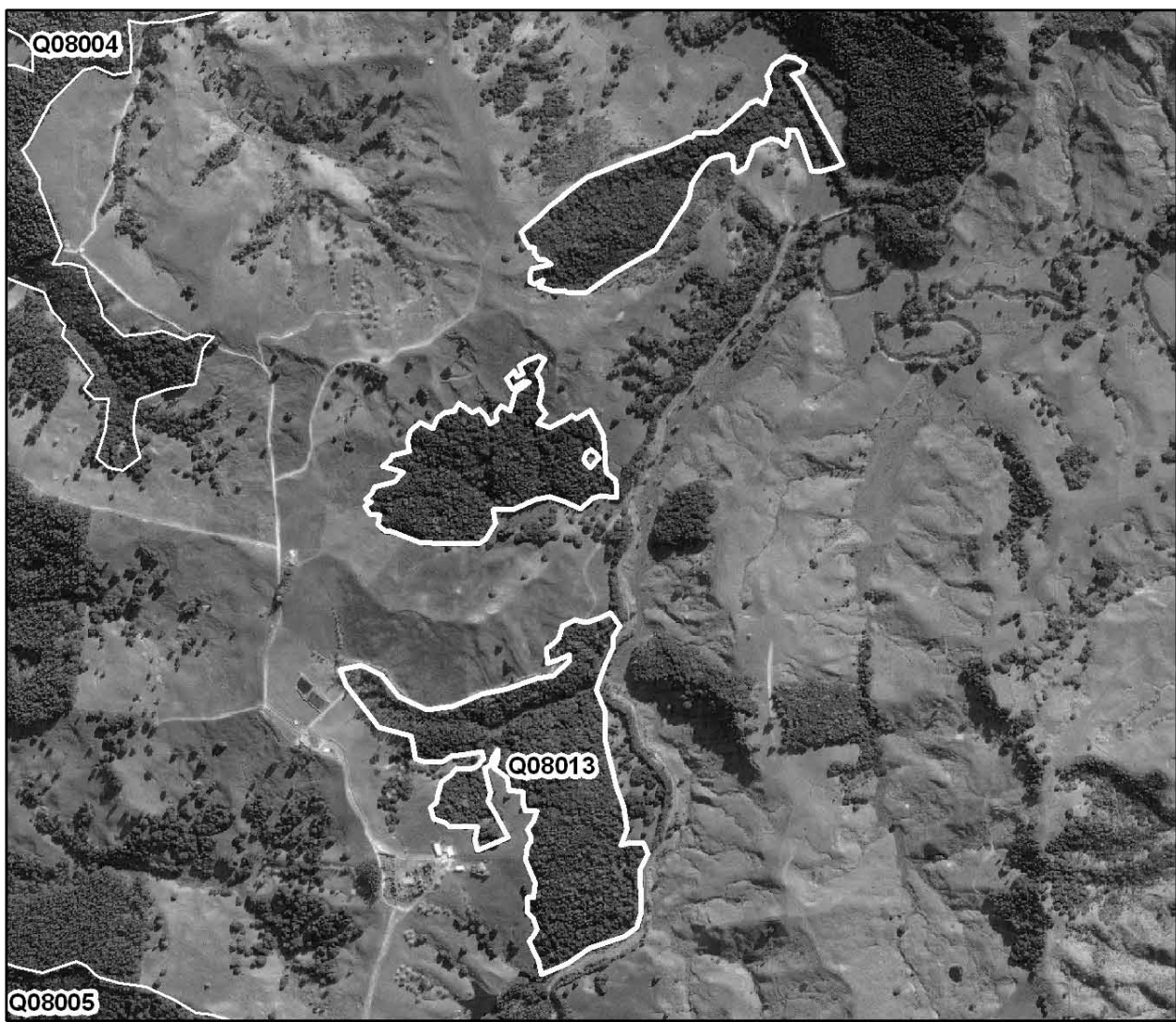
Fauna

None noted.

Significance

A collection of forested remnants. Forest on alluvium is an under-represented forest type in the Tokatoka Ecological District and throughout Northland generally; however, the smallness of this ecological unit limits its significance. Further survey may elevate the status of this site.

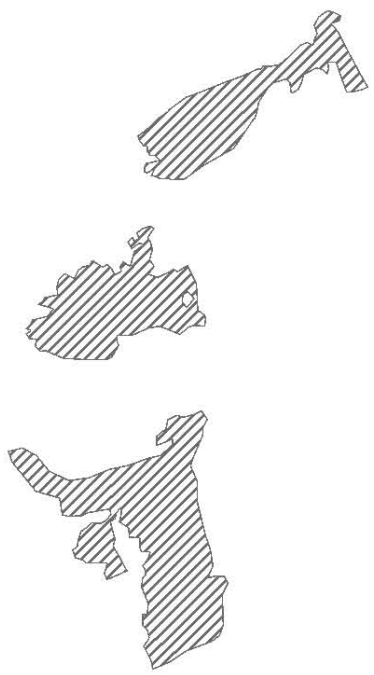
A marginal strip of 0.4 ha, administered by DOC, is contained within this site. Approximately 2.4 ha of the site occurs within a 'Chronically Threatened' land environment (A6.1d and G3.1b) and 28.2 ha within a 'Critically Underprotected' land environment (A6.1a and A6.1c) (Walker et al. 2007).



Q08/013 Mid Ararua Road Bush Remnants

Habitat type

-  Forest
-  Shrubland
-  Wetland



BIRCH ROAD QEII FOREST REMNANTS

Survey no.	Q08/016
Survey date	29 May 1998
Grid reference	1703272E 6011423N (AY29)
Area	18.9 ha, 9 remnants
Altitude	20-60 m a.s.l.

Ecological unit

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

Landform/geology

Mangakahia Complex mudstone.

Vegetation

A collection of 9 small remnants. Only two of the remnants were described in this survey.

(a) Tōtara is abundant in the northwestern remnant along with frequent kahikatea. Other species present include emergent kauri, pukatea, taraire, tī kōuka, nīkau and kānuka/mānuka.

(b) Tōtara with kahikatea also occurs here. Emergent kauri, tī kōuka, pukatea, tītoki, mataī, tōwai and kānuka/mānuka are occasional.

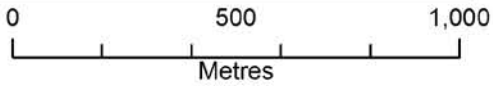
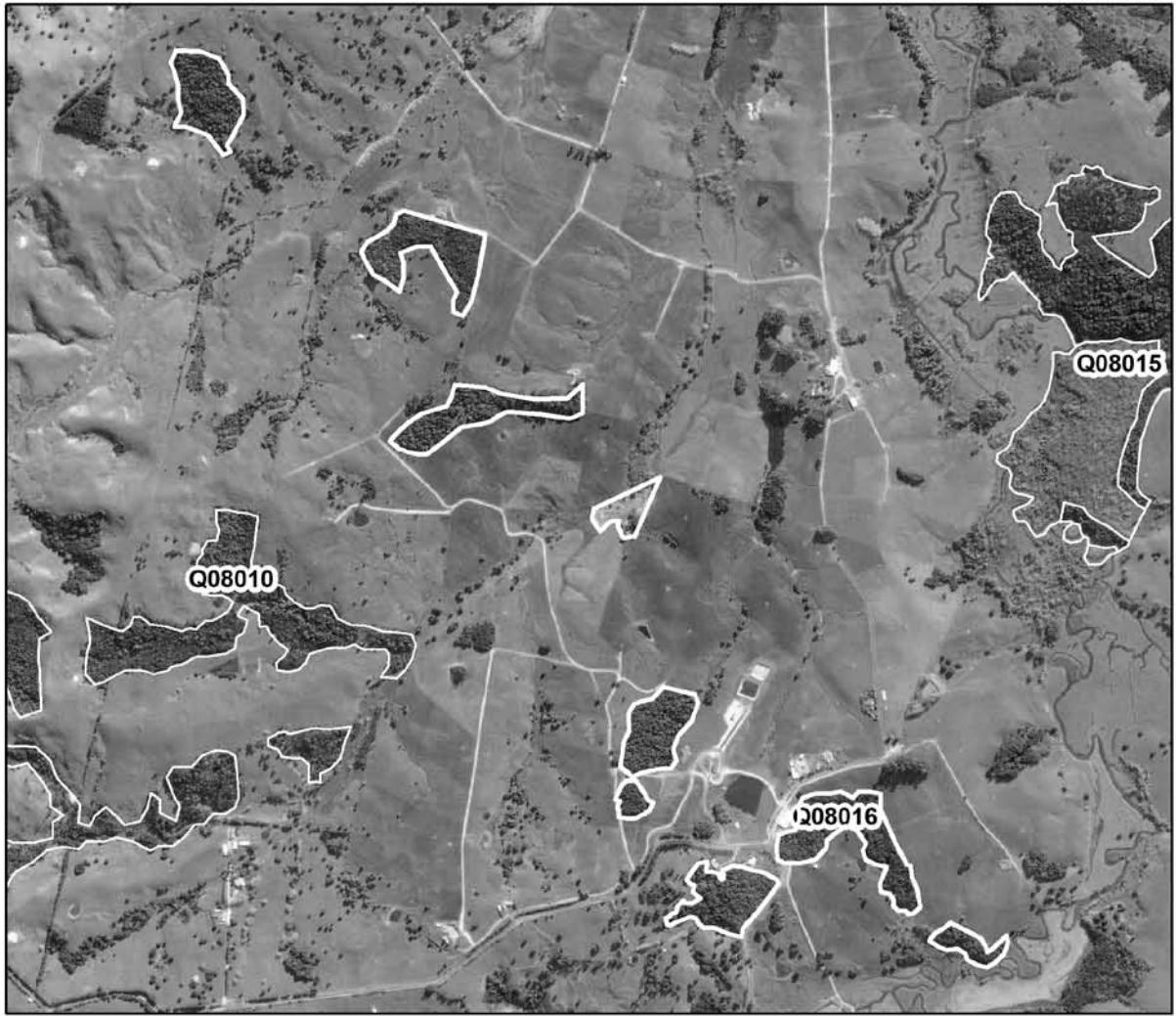
Type (b) tōtara-kahikatea occurs in the remnant on the eastern side of the road at the intersection of Parker, Birch and Poyner Roads. Frequent kānuka/mānuka and occasional tī kōuka, emergent kauri, taraire, tītoki and nīkau also occur here.

Fauna

Kūkupa (regionally significant species), NI fantail, tūī, NI kingfisher, Australasian harrier, and pūkeko (N. Matich (QEII Kaipara regional representative) pers. comm.).



Significance

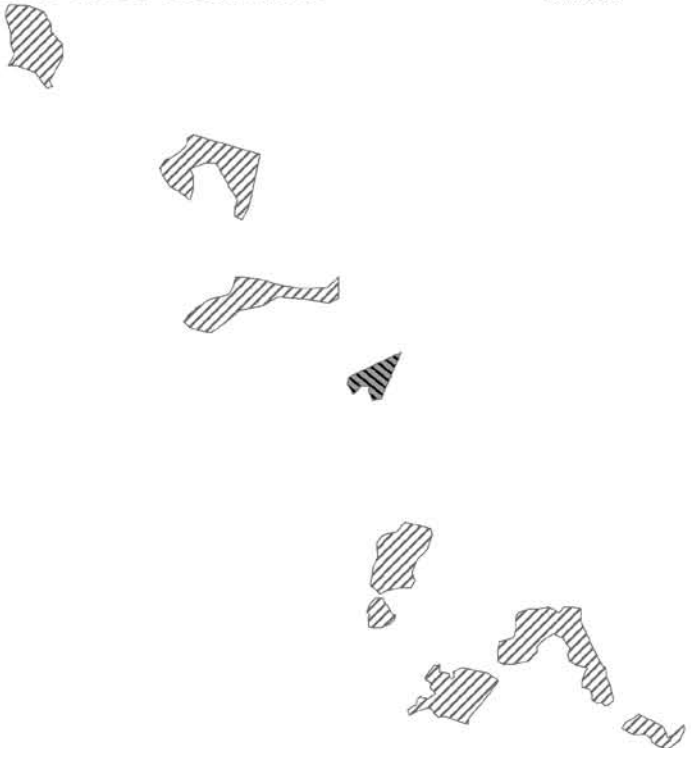
A collection of small, regenerating, lowland forest remnants. Lowland forest is an under-represented forest type within the Tokatoka Ecological District and throughout Northland generally; however, the small size of these remnants limits their significance. Further information may change the status of this site. Six of the remnants are protected by Queen Elizabeth II National Trust Open Space covenants (totalling 9.9 ha). Approximately 0.2 ha of this site occurs within an 'Acutely Threatened' land environment (A5.1b), 1.8 ha within a 'Chronically Threatened' land environment (G3.1b) and 16.9 ha within an 'At Risk' land environment (A6.1b) (Walker et al. 2007).



Q08/016 Birch Road QEII Forest Remnants

Habitat type

-  Forest
-  Shrubland
-  Wetland



MID BULL ROAD BUSH REMNANT

Survey no. Q08/020
Survey date 30 June 1998
Grid reference 1708709E 6014830N (AY30)
Area 5.2 ha
Altitude 30-100 m a.s.l.

Ecological unit

(a) Tōtara-kānuka/mānuka forest on hillslope

Landform/geology

Mangakahia Complex sandstone and mudstone.

Vegetation

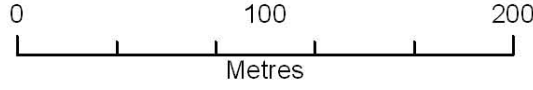
Abundant tōtara with kānuka/mānuka. Pole rimu and emergent rimu occur frequently. Kahikatea, tānekaha, rewarewa and taraire are occasional.

Fauna

None noted.

Significance

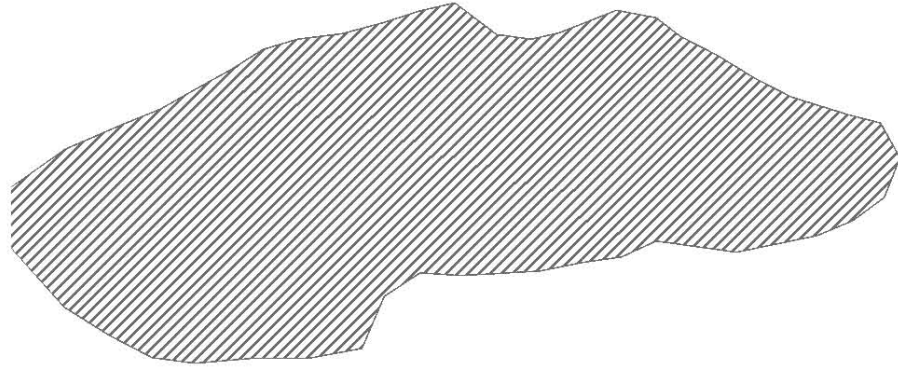
Regenerating forested remnant located within a very modified Ecological District. A Queen Elizabeth II Open Space covenant protects 3.8 ha of this site. Approximately 0.4 ha of this site occurs within a 'Chronically Threatened' land environment (G3.1b) and 4.8 ha within a 'Critically Underprotected' land environment (A6.1c) (Walker et al. 2007).



Q08/020 Mid Bull Road Bush Remnant

Habitat type

-  Forest
-  Shrubland
-  Wetland



SOUTHERN KAIKOWHITI STREAM REMNANTS

Survey no.	Q08/028
Survey date	16 July 1998
Grid reference	1718207E 6008594N (AY30)
Area	17.4 ha, 2 remnants
Altitude	80-100 m a.s.l.

Ecological unit

- (a) Kānuka/mānuka-tōtara forest on hillslope
- (b) Kānuka/mānuka-kauri forest on hillslope
- (c) Tānekaha-kānuka/mānuka forest on hillslope

Landform/geology

Mangakahia Complex mudstone/sandstone.

Vegetation

The northern hillslope remnant was not surveyed.

(a) In the northeastern fork, kānuka/mānuka and tōtara occurs along with frequent tānekaha. Rimu and kahikatea are also present.

In the middle fork, kānuka/mānuka and tōtara forest also occurs, along with occasional kauri and tānekaha.

(b) In the southwestern fork, abundant kānuka/mānuka with emergent kauri occurs. Rimu, tānekaha and kahikatea are occasional.

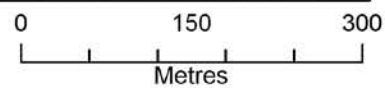
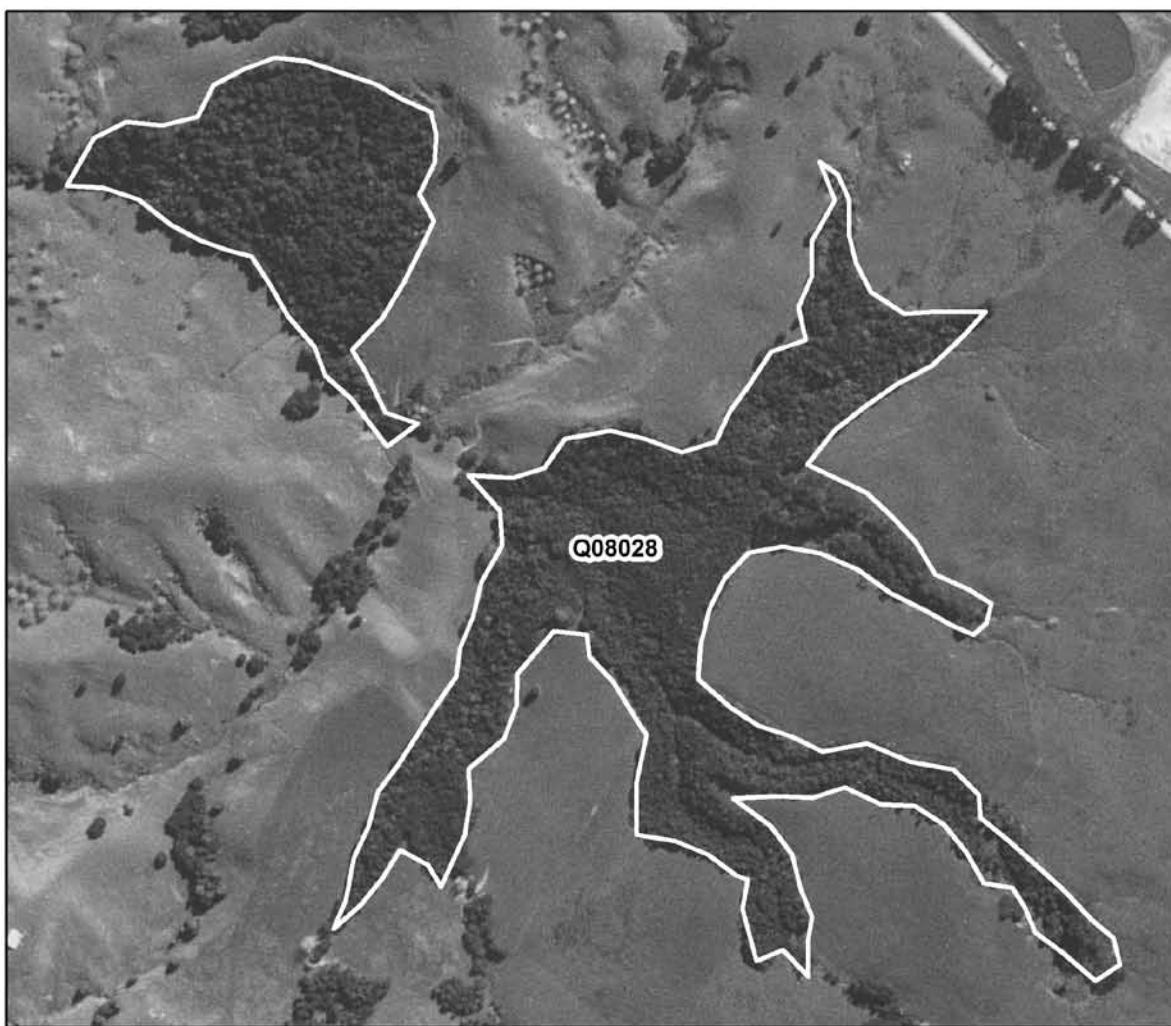
(c) Tānekaha emergent over kānuka/mānuka also occurs here, along with occasional emergent kauri.

Fauna

None noted.

Significance

Regenerating forest within a very modified Ecological District. Approximately 16 ha of this site occurs within an 'At Risk' land environment (A6.1b) and 1.4 ha within a 'Critically Underprotected' land environment (A6.1c) (Walker et al. 2007).



Q08/028 Southern Kaikowhiti Stream Remnants

Habitat type

-  Forest
-  Shrubland
-  Wetland



GILLION ROAD REMNANTS

Survey no. Q08/036
Survey date 17 December 2009
Grid reference 1704316E 6003739N (AY29)
Area 21 ha, 3 remnants
(15.9 ha forest, 5.1 ha shrubland)
Altitude 20-60 m a.s.l.

Ecological unit

- (a) Kānuka/mānuka shrubland hillslope
- (b) Kānuka/mānuka-tōtara forest on valley bottom

Landform/geology

Hillslope of Mangakahia Complex sandstone and mudstone.

Vegetation

Only a limited view of this site was obtained.

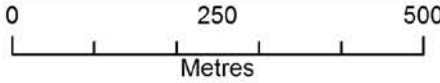
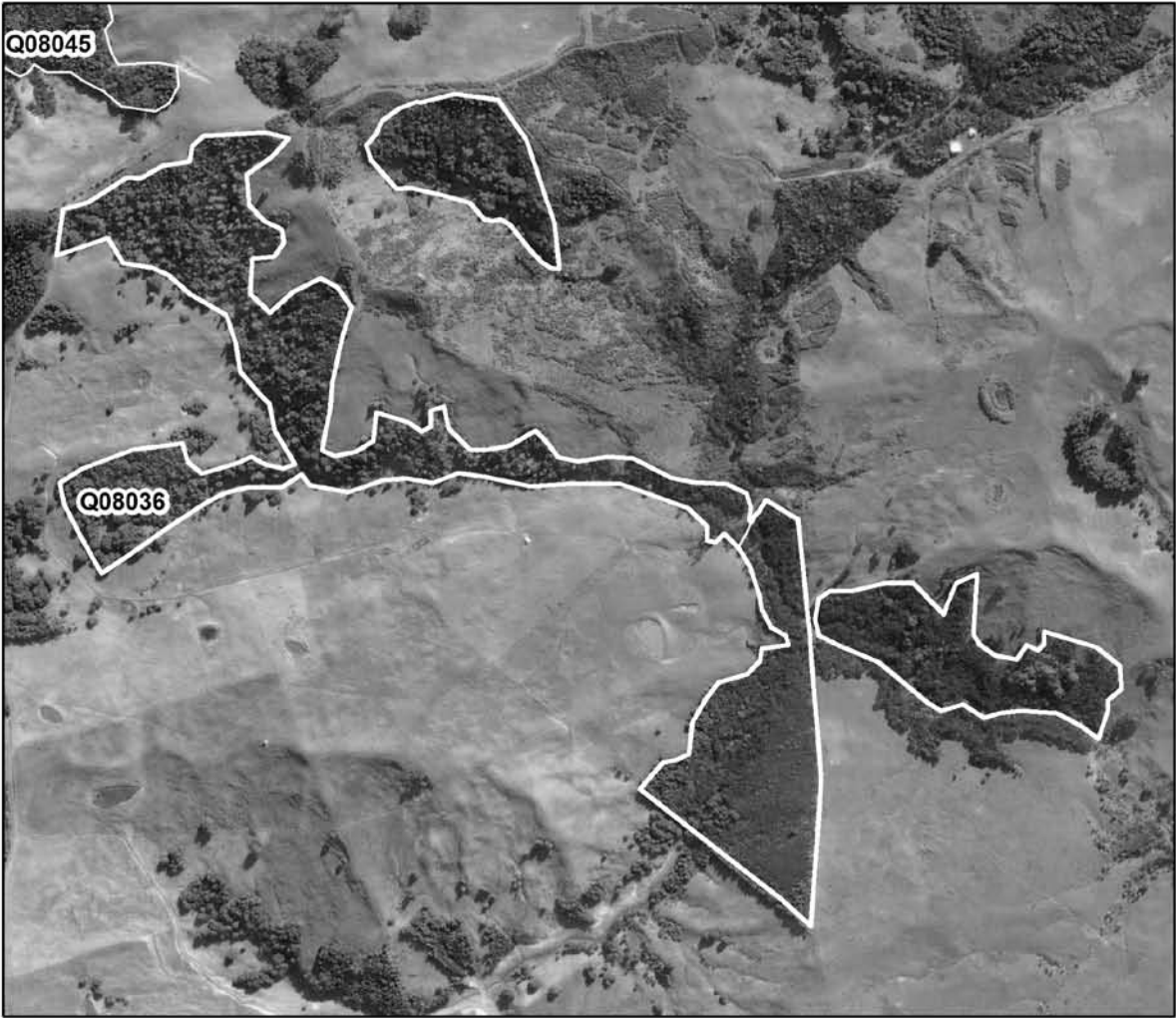
- (a) The shrubland area in the south is dominated by kānuka/mānuka with frequent tōtara and occasional emergent pine.
- (b) A ribbon of indigenous vegetation in the valley bottom alongside is mostly common kānuka/mānuka and tōtara. Emergent kauri with tānekaha, kahikatea, kōwhai, and mamaku are occasional.

Fauna

None noted.

Significance

A small lowland forest remnant within a very modified Ecological District. This site occurs within an 'At Risk' land environment (A6.1b) (Walker et al. 2007).



Q08/036 Gillon Road Remnants

Habitat type

-  Forest
-  Shrubland
-  Wetland

