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Te Waerenga Road 2

Site Number:	679
Ecological District:	Ōtānewainuku
Source of Information:	Field work 2016
Digital Scale:	1:5,000
Data Source:	BOPLASS Ltd 2013
Regional Council:	Bay of Plenty
1998 Site Number:	Not identified as a site in Shaw and Beadel (1998)
Current Tenure:	Unprotected
Site Area:	80.6 ha
Altitude Range:	360-480 m
Bioclimatic Zone:	Lowland
Grid Reference:	NZTM E1885885, N5789255

VEGETATION		LANDFORM	EXTENT
CODE	TYPE		
1	Tawa-mangeao forest Dominated by tawa (<i>Beilschmedia tawa</i>) and mangeao (<i>Litsea calicaris</i>), with miro (<i>Prumnopitys ferruginea</i>), kotukutuku (<i>Fuchsia excorticata</i>), rewarewa (<i>Knightsia excelsa</i>), hīnau (<i>Elaeocarpus dentatus</i>), kamahi (<i>Weinmannia racemosa</i>) and occasional mamaku (<i>Cyathea medullaris</i>), rimu (<i>Dacrydium cupressinum</i>), and pukatea (<i>Laurelia novae-zelandiae</i>) scattered throughout the canopy. Understorey species include scattered <i>Asplenium bulbiferum</i> , kanono (<i>Coprosma grandifolia</i>), mangeao, tawa seedlings, leaf litter, karamū (<i>Coprosma robusta</i>), māpou (<i>Myrsine australis</i>), and supplejack (<i>Ripogonum scandens</i>). Local patches of barberry (<i>Berberis glaucocarpa</i>) are present on the margins.	Flat, low hills	18.4 ha
2	Tawa forest - mostly viewed from a distance With emergent pukatea and rewarewa. Mangeao, kamahi, mamaku, māhoe (<i>Melicytus ramiflorus</i>), rimu, and hīnau are also present in the canopy.	Flat, low hills	51.37 ha
3	Rewarewa/tawa forest - viewed from a distance	Flat, low hills	2.38 ha
4	Tawa-(rewarewa) forest With occasional rimu, tānekaha (<i>Phyllocladus aspleniifolius</i>), horoeka (<i>Pseudopanax crassifolius</i>), and rimu in the canopy. Other species scattered throughout the canopy include māhoe, makomako (<i>Aristotelia serrata</i>), and whekī (<i>Dicksonia squarrosa</i>). Understorey species include kiokio (<i>Blechnum novae-zelandiae</i>), bracken (<i>Pteridium esculentum</i>), sapling rewarewa, barberry, Himalayan honeysuckle (<i>Leycesteria formosa</i>), karamū, and <i>Coprosma dumosa</i> .	Flat, low hills	2.53 ha
5	Tawa forest (with local pukatea) and tawa-rewarewa-pigeonwood forest.	Flat, low hills	5.98 ha

Indigenous Flora: No threatened or at risk plant species as listed in de Lange *et al.* 2013 have been recorded from this site.

Fauna: No threatened or at risk bird species as listed in Robertson *et al.* 2013 have been recorded from this site.

Notes on Overall Condition: Tawa forest remnants surrounded by farmland. There are numerous landowners adjacent to this site with a variety of fencing and grazing regimes. Where grazed the understorey is sparse.

Change Relative to Shaw and Beadel (1998):	Unknown
Threats/Modification/Vulnerability:	Some areas are grazed by farm stock. Possum (<i>Trichosurus vulpecula</i>) browse was observed in some forest canopies. There are local patches of barberry and hawthorn (<i>Crataegus monogyna</i>) on margins of the site. In Area 5 there are a few planted Tasmanian blackwood along one margin.
Risk Assessment:	Grazing: Risk to site - medium; Timeframe - low. Pest plants: Risk to site - low; Timeframe - low. Pest animals: Risk to site - low; Timeframe - low.
Significance Level:	Local (Appendix 8 - Table 1 - Criteria 3.1; Table 2 - Factor L).
Significance Justification:	This site is of Local significance as it contains several areas of indigenous forest associations that are representative of the Ōtānewainuku Ecological District.
Field Work Required:	No field work required.
Notes:	This site was not identified in Beadel (2006) or Shaw and Beadel (1998).
References:	None