



Oraka Stream Riparian

Site Number: SNA414
Ecological District: Tokoroa
Source of Information: Shaw and Beadel (1998)
Digital Scale: 1:5,000
Data Source: WRAPS 2007
Regional Council: Waikato
1998 Site Number: NHS No. 414
Current Tenure: Unprotected
Site Area: 200.6 ha
Altitude Range: 440-640 m
Bioclimatic Zone: Lowland; Submontane
Grid Reference: NZTM E1866839, N5773625

VEGETATION		LANDFORM	EXTENT
CODE	TYPE		
1	Tawa-(rimu)/tawari-(tawa)-(kamahi)-(Pseudowintera axillaris) forest (80%) ↔ mahoe-wao-pate-(makomako)-(toetoe)-(wheki-ponga) shrubland (15%) ↔ buddleia-karamu-toetoe-kiokio shrubland (10%).	Hillslope and cliff	173.7 ha
2	Kamahi forest (30%) ↔ (totara)/Coprosma tayloriae-(blackberry)-(pasture) vine-shrubland (70%).	Hillslope and upland plateau	6.9 ha
3	Tawa-(rimu)/mountain horopito-kamahi forest (35%) ↔ kamahi forest (65%).	Hillslope, cliff and gully	3.2 ha
4	Tawa-(kamahi)-(tawari)-(rimu) forest (85%) ↔ kamahi forest (15%).	Hillslope	5.7 ha
5	Toetoe tussockland (15%) ↔ buddleia-toetoe-(broom) tussock-shrubland (10%) ↔ (tawa)/karamu-makomako-(horoeke)-(whauwhaupaku)-(wheki) shrubland (75%).	Hillslope	11.4 ha

Indigenous Flora: No threatened or at risk species as listed in de Lange *et al.* (2009) have been recorded from this site.

Fauna: No threatened or at risk species as listed in Hitchmough *et al.* (2007) or Miskelly *et al.* (2008) have been recorded from this site. Kereru and pied tit present.

Notes on Overall Condition: Some parts of the site have been logged in the past, some pest plants are present, and margins have been grazed by stock.

Change Relative to Shaw and Beadel (1998): Unknown. Probably little change.

Threats/Modification/Vulnerability: Surrounded by pine plantation. Possible threats include physical damage during logging of adjacent forests, subsequent preparation of sites for replanting, and ongoing stand management techniques.

Common woody pest plant species present around margins include broom, buddleia, and Himalayan honeysuckle.

Risk Assessment: Logging operations: Risk to site - medium; Timeframe - medium.

Significance Level: Regional (Appendix 5 - Table 1 - Criteria 7, 9, 11; Table 2 - Factors Q, R).

Significance Justification:	A relatively large example of indigenous vegetation that is representative of the Tokoroa Ecological District and which protects the Oraka Stream. Only c.6.3 % of the original pre-human cover of primary indigenous forest in the Tokoroa Ecological District remains (Shaw and Beadel 1998).
Fieldwork Required:	No fieldwork required to assess significance, but fieldwork required to update biodiversity and management information.
Notes:	This natural area includes all riparian vegetation alongside the upper Oraka Stream, from Mamaku South Road to the Rotorua District boundary. The valley cut by Oraka Stream into the surrounding Mamaku Plateau varies from very deep (on the Rotorua District Boundary) to relatively shallow (near Mamaku South Road). These steep banks are characterised by cutover tawa-dominated forest with pockets of kamahi forest and broadleaved scrub in more recently disturbed locations.
References:	Shaw and Beadel (1998)