



Komutumutu Stream A

Site Number: SNA12
Ecological District: Rotorua Lakes
Source of Information: Shaw and Beadel (1998)
Digital Scale: 1:2,000
Data Source: RDAM 2006
Regional Council: Bay of Plenty
1998 Site Number: NHS No. 12
Current Tenure: Stream margins protected from grazing under a Land Improvement Agreement; rest unprotected
Site Area: 116.1 ha
Altitude Range: 340-540 m
Bioclimatic Zone: Lowland
Grid Reference: NZTM E1873702, N5782543

VEGETATION		LANDFORM	EXTENT
CODE	TYPE		
1	(Radiata pine)/tawa-(rewarewa) forest (with scattered miro and rimu, and local tanekaha).	Gully slopes and stream margins	25.6 ha
2	(Radiata pine)/whauwhaupaku-mahoe-Himalayan honeysuckle-buddleia scrub and shrubland (with local wheki ponga, and local bracken-kiokio fernland).	Gully slopes and stream margins	13.1 ha
3	(Whauwhaupaku)-(mahoe)-(buddleia)/ bracken fernland (with local mamaku and wheki ponga).	Gully slopes and stream margins	13.8 ha
4	(Rewarewa)/tawa-(kamahi)-(mangeao)-(rimu) forest (with scattered totara) (with a few emergent rimu; local totara around margins; subcanopy of mahoe, kotukutuku, local <i>Griselinia littoralis</i> (not mapped)).	Flat; gentle hillslopes	62.9 ha
5	Heavily logged (northern part of 4).	Flat; gentle hillslopes	
6	(Tawa)-(rewarewa)-(kamahi)/wheki ponga-broom-Himalayan honeysuckle shrub-fernland (with local blackberry, pampas and rank pasture; occasional mature rimu present).	Flat; gentle hillslopes	0.9 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.

Notes on Overall Condition: This site comprises tall forest modified by logging, and secondary vegetation developed following clearance.

Change Relative to Shaw and Beadel (1998): Some vegetation clearance has been evident in Vegetation Type 6.

Threats/Modification/Vulnerability: The western part of this site is threatened by clearance (a major firewood and ponga collection operation is present). The adjacent area has been substantially cleared over recent years. Exotic trees have been planted locally within the site.

Risk Assessment: Unknown. Management information is dated.

Significance Level:	Local (Appendix 4 - Table 1 - Criteria 1, 6, 8, 9; Table 2 - Factor L1).
Significance Justification:	<p>This site is locally significant because it includes a relatively large area (c.96 ha) of a land type (undulating with knolls) that is under-represented in the existing reserve system. In addition, 1 ha of indigenous vegetation occurs on high terraces. Although only a relatively small area, indigenous vegetation on this land type in this ecological district is very rare, with less than 1% remaining.</p> <p>The vegetation along the stream margins provides a protective buffer to the stream.</p>
Fieldwork Required:	No fieldwork required to assess significance, but fieldwork required to update biodiversity and management information.
Notes:	This site was identified as a “Recommended Area for Protection” (RAP No. 12) in the natural area survey of Rotorua Lakes ED (Beadel <i>et al.</i> 1998).
References:	Shaw and Beadel (1998); Beadel <i>et al.</i> (1998).