



Redwood Grove Pool

Site Number: SNA120
Ecological District: Rotorua Lakes
Source of Information: Wildland Consultants (2005c) - Geothermal Site No. 13
Digital Scale: 1:2,000
Data Source: RDAM 2006
Regional Council: Bay of Plenty
1998 Site Number: Not identified as a site in Shaw and Beadel (1998)
Current Tenure: Unprotected
Site Area: 0.5 ha
Altitude Range: 300 m
Bioclimatic Zone: Lowland
Grid Reference: NZTM E1886568, N5771419

VEGETATION		LANDFORM	EXTENT
CODE	TYPE		
1	Wheki/ <i>Baumea rubiginosa</i> -kiokio sedgeland Wheki is emergent over <i>Baumea rubiginosa</i> with locally common <i>Carex geminata</i> , <i>Hypolepis distans</i> , bracken, <i>Juncus effusus</i> , <i>Juncus edgariae</i> , blackberry and Japanese honeysuckle. Occasional patches of <i>Juncus planifolius</i> and <i>Sphagnum cristatum</i> , <i>Eleocharis gracilis</i> , and <i>Baumea articulata</i> are present. Some patches of open water are present. Isolated plants of swamp coprosma are also present. Whauwhaupaku becomes more common on margins. One plant of mangemange (<i>Lygodium articulatum</i>) occurs on the margins.	Geothermal wetland	0.5 ha

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

Fauna: Indigenous and exotic species typical of the habitat are present, including tui and grey warbler. No threatened or at risk species as listed in Miskelly *et al.* (2008) have been recorded from this site.

Notes on Overall Condition: A very small site with only a few pest plants present. The site is in moderate condition

Change Relative to Shaw and Beadel (1998): Not mapped in 1998, but “The extent and composition of this site appears to be similar to that recorded in 1996 (Beadel *et al.* 1996b)” (Wildland Consultants 2005c).

Threats/Modification/Vulnerability: *Invasive Exotic Plants:* A small population of blackberry and Japanese honeysuckle is present.

Human Impacts: The site is surrounded by an exotic plantation of coastal redwoods (*Sequoia sempervirens*) and formed and unformed walking tracks. These could be a threat if trees fall into the wetland.

Risk Assessment: Unknown

Significance Level: Regional (Appendix 10 - Table 1 - Criteria 4; Table 2 - Factor R4).

Significance Justification: This small site is of regional significance because it is a good quality example of a regionally under-represented vegetation type - geothermal

wetland.

Fieldwork Required: No fieldwork is required.

Notes: This site was not mapped in Shaw and Beadel (1998). Mapping and vegetation descriptions are based on Wildland Consultants (2005c), but site boundaries have been adjusted on up-to-date aerial photography.

Low level of geothermal activity. Beadel *et al.* (1996b) states that steam is sometimes seen rising off pools and that there is a strong smell of sulphur.

Precipitate deposits occur on plants and dead wood in the water, and around the margins of the pool.

The vegetation is shaded by the very tall plantation coastal redwoods surrounding the site.

References: Beadel *et al.* (1996b); Wildland Consultants (2005c).