



Lake Rotokawa

Site Number:	SNA49
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. 49
Current Tenure:	Unprotected; part marginal strip
Site Area:	7.6 ha
Altitude Range:	290 m
Bioclimatic Zone:	Lowland
Grid Reference:	NZTM E1891141, N5776547

VEGETATION		LANDFORM	EXTENT
CODE	TYPE		
1	Mosaic of manuka shrubland, pasture and exotic trees and restoration plantings	Flat	1.8 ha
2	Lake	Lake	5.8 ha

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

Fauna: A wide range of indigenous bird species have been recorded on the lake, including New Zealand scaup, paradise shelduck, pied stilt ('At Risk - Declining' in Miskelly *et al.* 2008), white-faced heron, pukeko, New Zealand dabchick ('Threatened - Nationally Vulnerable'), grey duck ('Threatened - Nationally Critical'), red-billed gull ('Threatened - Nationally Vulnerable'), and little shag ('At Risk - Naturally Uncommon').

Notes on Overall Condition: The southern margin of the Lake Rotokawa is relatively modified. There is a narrow manuka-dominated strip along much of the lake margin, with exotic trees and pasture adjoining the manuka or the lake itself.

Change Relative to Shaw and Beadel (1998): Part of the site has been cleared to make way for a sewage pipeline, and some restorative plantings have been undertaken at the site.

Threats/Modification/Vulnerability: Pest plants are common.

Risk Assessment: Pest plants: Risk to site - medium; Timeframe - medium.

Significance Level: Regional (Appendix 4 - Table 1 - Criteria 1, 2, 4, 6, 8; Table 2 - Factors R5, R9).

Significance Justification: This site is of regional significance as it is the only small lake located on low terraces in the lowland bioclimatic zone of the Rotorua Lakes Ecological District. Low terraces are under-represented in the existing reserve system. It also contains geothermal manifestations (ranked by Cody (2007) as being of local significance), and provides habitat for threatened and at risk bird species.

- 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. 49) in the natural area survey of Rotorua Lakes ED (Beadel *et al.* 1998).
- References:** Shaw and Beadel (1998); Beadel *et al.* (1998).