



Matapan Road

Site Number: 714
Ecological District: Atiamuri
Source of Information: Wildland Consultants (2014a)
Digital Scale: 1:5,000
Data Source: WRAPS 2012
Regional Council: Waikato
1998 Site Number: Not identified as a site in Shaw and Beadel (1998)
Current Tenure: Unprotected
Site Area: <0.1 ha
Altitude Range: 333 m
Bioclimatic Zone: Submontane
Grid Reference: NZTM E1869082, N5750467

VEGETATION		LANDFORM	EXTENT
CODE	TYPE		
1	Deparia fernland <i>Deparia petersenii</i> occurs around a geothermal spring and on stream margins within the site. Green, orange, and red algae are present on the substrate behind the waterfall below the spring. Ring fern, whekī, <i>Asplenium oblongifolium</i> , and tall willow herb (<i>Epilobium ciliatum</i>), occur on the cooler margins.	Hillslope	<0.1 ha
2	Yorkshire fog grassland Pasture along the margins of the warm water stream includes Yorkshire fog, tall fescue (<i>Schedonorus arundinaceus</i>), and creeping bent (<i>Agrostis stolonifera</i>).	Hillslope	<0.1 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. Yellowhammer was heard during the 2011 survey and other common pasture bird species are likely to be present.

Notes on Overall Condition: This small (c.10 m × 3 m) geothermal spring on a hillslope is unfenced and the margins are grazed. The water temperature of the spring at the time of survey (2011) was 69.1 °C. The thermal stream flows into a small (cold) stream c.20 m below the spring.

Change Relative to Shaw and Beadel (1998): Unknown

Threats/Modification/Vulnerability: No invasive pest plants evident, surrounded by pasture grasses. Surrounded by farmland with pine plantation nearby. This spring is unfenced and within grazed pasture.

Risk Assessment: Grazing: Risk to site - low; Timeframe - low.
Pest plants: Risk to site - low; Timeframe - low.

Significance Level: Local (Table 1 - Criterion 5; Table 2 - Factor 19).

Significance Justification: Matapan Road is locally significant because it comprises a very small example of geothermal vegetation and habitat, a feature that is nationally uncommon.

Field Work Required: No field work required.

Notes: A geophysical assessment of the surface geothermal manifestations at this site is presented in Appendix 4 (Wildland Consultants 2014a). This assessment was undertaken in 2010.

References: Newson (2010); Wildland Consultants (2014a)