



**Legend**

- Site boundary
- Cadastral boundary

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Scale: 1:5,000  
Date: 22/05/2015  
Cartographer: FM  
Format: A4R

**575 - Hamill's Wetland**

0 100 200 m

Disclaimer: Map only depicts one site, other significant natural areas may be present on this map sheet, but their boundaries and location are not shown on this map.

**Data Acknowledgment**  
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Report: 3417  
Client: 31 1118  
File: E:\GIS\DC\_SMA\_U1\map\Flyover\375-2.aprx

## Hamill's Wetland

<b>Site Number:</b>	SNA575
<b>Ecological District:</b>	Atiamuri
<b>Source of Information:</b>	Wildland Consultants (2008b)
<b>Digital Scale:</b>	1:5,000
<b>Data Source:</b>	WRAPS 2007
<b>Regional Council:</b>	Waikato
<b>1998 Site Number:</b>	Not identified as a site in Shaw and Beadel (1998).
<b>Current Tenure:</b>	Unprotected
<b>Site Area:</b>	25.1 ha
<b>Altitude Range:</b>	360-370 m
<b>Bioclimatic Zone:</b>	Lowland
<b>Grid Reference:</b>	NZTM E1881361, N5760573

VEGETATION		LANDFORM
CODE	TYPE	
1	Dead grey willow forest	Wetland
2	Tasmanian blackwood stand	Wetland
3	Harakeke flaxland	Wetland
4	Natural open water	Wetland
5	Artificial ponds	Wetland
6	Manuka shrubland	Wetland
7	(Manuka)/blackberry- <i>Machaerina rubiginosa</i> - <i>Gleichenia microphylla</i> -kiokio shrubland	Wetland
8	Manuka-grey willow shrubland	Wetland
9	Open water	Open water
10	Wetland vegetation (unknown type)	Wetland

**Indigenous Flora:** Forty-eight plant species were recorded in April 2007 (Wildland Consultants 2008b). There is an unconfirmed record of *Ranunculus macropus* ('Data Deficient' in de Lange *et al.* 2013) from 2006, and other significant plant species such as *Spiranthes sinensis* could be present within the wetland.

**Fauna:** Three Threatened and At Risk bird species are known from this site: grey duck ('Threatened-Nationally Critical'), New Zealand dabchick ('Threatened-Nationally Vulnerable'), and North Island fernbird ('At Risk-Declining') (Wildland Consultants 2008b).

**Notes on Overall Condition:** Much of the site was dominated by grey willow in 2007; however most of the mature willow has been controlled in recent years. Follow-up control of willow saplings is required. Silver birch around the margins of the wetland should also be controlled. A single specimen of royal fern (*Osmunda regalis*) was observed and removed from the site in 2007. This is a highly invasive species of wetland habitats in the Waikato Region.

**Change Relative to 1998:** This site was not identified in Shaw and Beadel (1998).

**Threats/Modification/Vulnerability:** Grey willow: Risk to site - high; Timeframe - high.  
Royal fern: Risk to site - high; Timeframe - high.

**Risk Assessment:** Unknown.

**Significance Level:** Regional (Appendix 5 - Table 1 - Criteria 3, 4, 6; Table 2 - Factors L3, M4&9).

**Significance Justification:** This site is of regional significance as it contains wetland habitat, a nationally reduced habitat type. It also provides habitat for three Threatened and At Risk indigenous bird species.

**Field work Required:** Yes. The larger site (which extends beyond the Rotorua District) was surveyed several years ago, but the information is not specific to the eastern part of the site. Biodiversity and management information is lacking. The significance level requires reassessment. At the next update, site boundaries should be refined during a field check.

**Notes:** None.

**References:** Wildland Consultants (2008b).