

# WAIKATO Shallow Lakes Restoration WORKSHOP

**1st December 2008**

Waikato Management School  
University of Waikato  
Gate 7, Hillcrest Road  
Hamilton



The Waikato shallow lakes and their associated wetlands are recognised for their ecological, cultural, aesthetic and recreational values. The lakes provide valuable habitat for native plants, insects, birds and fish as well as game species. Some lakes have pa sites on their shores revealing a long history of pre European use. Today, farming is the predominant land use within most of the lakes' catchments. However, over a century of land development combined with exotic plant and animal pest introductions has resulted in significantly decreased lake health.

The Waikato Shallow Lakes Restoration Workshop will provide the opportunity to learn more about the options available for lake restoration, and the decisions that need to be made by landowners, scientists, councils, iwi, community volunteers and other land management groups.

The group discussion in 2 parts (11:45 – 12.45, and 15.15 – 16.15) will aim to create a framework for restoration decision making including:

- Defining the community's values for a lake and how these values are affected by lake ecosystem functioning
- Defining the links and interactions between the factors affecting the lake ecosystem function that lead to degraded values (e.g., introduced plant and fish species, sediment and nutrient loads, water level manipulation)
- Evaluating the resulting restoration/mitigation options - what's in the toolbox?

The afternoon field trip will visit the Serpentine Lakes, north of Te Awamutu (transport provided). Attendees will be able to see restoration in action at this high priority peat lake and surrounding wetlands areas. Part 2 of the group discussion will take place on site.

## PROGRAMME

- 08:15** Registration and tea/coffee
- 08:50** Welcome *Kaumtua*
- 09:00** Cultural significance and co-management for Waikato shallow lakes *Julian Williams (Waikato Tainui)*
- 09:15** National, regional and local policy for shallow lakes *Keith Thompson (National Wetland Trust)*
- 09:25** The state of the Waikato shallow lakes *Keri Neilson (Environment Waikato)*
- 09:35** Recreational values of shallow lakes *Rob Pitkethley (Fish & Game)*
- 09:50** Pressures on shallow lakes *David Hamilton (University of Waikato) and Marc Schallenberg (University of Otago)*
- 10:00** Morning tea
- 10:20** An evaluation of restoration tools:
- Site selection – an iwi perspective *Gail Tipa (University of Otago)*
  - Reducing and treating external nutrient loads *Chris Tanner (NIWA)*
  - Options for reducing in-lake nutrient loads *Chris Hickey and Max Gibbs (NIWA)*
  - Biomanipulation for lake restoration *Mary de Winton and Piet Verburg (NIWA)*
- 11:45** A framework for restoration decision making: (Part 1)
- Group discussion *led by John Quinn, David Hamilton and Marc Schallenberg*
- 12:45** Lunch
- 13:30** Serpentine Lakes Field Trip
- Introduction *Shannon Patterson (DoC)*
  - Rudd removal program *Michael Lake (DoC)*
  - Land acquisition *Tony Roxburgh (Waipa District Council)*
  - Rare wetland plant reintroduction trial *Monica Peters (NZ Landcare Trust)*
- 15:15** A framework for restoration decision making: (Part 2)
- 17:00** Arrive back at University

**This workshop and fieldtrip is supported by:**

NZ Landcare Trust  
Environment Waikato  
Waipa District Council  
Waikato District Council  
University of Waikato  
National Institute of Water and Atmosphere  
Department of Conservation  
AM<sup>2</sup> & Associates  
National Wetland Trust  
Solid Energy New Zealand Ltd  
Genesis Energy



Key Sponsors :



**REGISTRATION FORM**

**SHALLOW LAKES RESTORATION WORKSHOP**

**Monday 1st December**

*Waikato Management School, University of Waikato*

Family Name: \_\_\_\_\_

First Name(s): \_\_\_\_\_

Postal Address: \_\_\_\_\_  
\_\_\_\_\_

Email: \_\_\_\_\_

Phone: \_\_\_\_\_

(please note whether work, home or mobile numbers)

Organisation Details:

Community Land/Lake Care group

Group name \_\_\_\_\_

Role in Group \_\_\_\_\_

Agency Representative, Agency \_\_\_\_\_

Farmer / Landowner

Student

General Public

Other (please specify) \_\_\_\_\_

I would like to register for: (please tick)

Morning seminar (8.15 – 12.30)

Lunch (12.30 – 13.30) Please indicate if you have any special dietary requirements  
\_\_\_\_\_

Afternoon fieldtrip (13.30 – 17.00)

**Please note the cost of this event is NIL**

If you will be attending the afternoon field trip to Lake Serpentine please wear boots / gumboots.

Please tick if you would like to receive a regular newsletter on Waikato shallow lake restoration and sustainable land management.

**PLEASE NOTE THAT REGISTRATION IS ESSENTIAL AS NUMBERS ARE STRICTLY LIMITED.**

As the workshop will be held at Waikato University, The Ministry of Education requires the following information from all participants.

Please complete all sections:

Date of birth: \_\_\_\_\_

Gender:  M  F

Citizenship: Are you:

A New Zealand Citizen?

An Australian Citizen?

A permanent resident in New Zealand?

An international student?

What ethnic group(s) do you belong to?

Tick up to three boxes which apply to you:

NZ European/Pakeha

New Zealand Maori

Pacific Island

Asian

Other: please specify \_\_\_\_\_

Declaration:

I confirm that the above information is true and correct.

Signature \_\_\_\_\_

Privacy Act:

University of Waikato will retain your information for statistical reasons, for reporting to the Ministry of Education, and for advising you of other courses.

**Please RSVP by Wednesday 19th November.**

Melinda Dresser, NZ Landcare Trust, PO Box 4305, Hamilton 3247.

Alternatively email [melinda@landcare.org.nz](mailto:melinda@landcare.org.nz) or phone 07 859 3745