

Catfish, Lakeweeds and Nutrients - Complex Lake Systems Restoration

Thursday 31st August, 2017

7.30 Registration

Session 1: Scene Setting

Chair: Don Atkinson, LWQS

8.30	Mihi Whakatau and Karakia	Dr Ken Kennedy
8.40	Te Arawa - Kaitiaki of the Rotorua Te Arawa Lakes	Sir Toby Curtis, Chair, Te Arawa Lakes
9.00	The State of the Rotorua Lakes in 2017	Prof. David Hamilton, Australian Rivers Institute
9.30	Lakes Water Quality, Lake Weed and Pest Animals	Hon. Nick Smith, Minister for the Environment
10.00	Morning Break (30 mins)	

Session 2: The Pest Fish Threat

Chair: Hon. Todd McLay, Minister of Trade

10.30	The Pest Fish threat and the Great Lakes Example	Lindsay Chadderton, The Nature Conservancy
11.00	Pest Fish throughout New Zealand	Natasha Grainger, Dept. of Conservation
11.20	Lake Rotoiti Catfish Incursion	Prof. Brendan Hicks, University of Waikato
11.40	Catfish in Lake Taupo	Michel Dedual, Dept. of Conservation
12.00	Potential Effects of Catfish on Koura in the Te Arawa Lakes	Ian Kusabs, Ian Kusabs & Assoc.
12.20	Discussion (10 mins)	
12.30	Luncheon Break (60 mins)	

Session 3: The Lake Weed Menace

Chair: Mayor Steve Chadwick, Rotorua Lakes Council

1.30	Lake Weed Then and Now - The Rotorua Te Arawa Lakes	Tracey Burton, NIWA
1.50	Lake Biosecurity - Local Actions and Results	Hamish Lass, BoP Regional Council
2.10	Deoxygenation Impacts of Lake Weed	Max Gibbs, NIWA
2.30	The Restoration of Native Aquatic Plants	Deborah Hofstra, NIWA
2.50	Discussion (10 mins)	
3.00	Afternoon Break (30 mins)	

Session 4: Whole-of-Lake Weed Strategies

Chair: John Gifford, LWQS

3.30	Strategies to Manage Aquatic Plants - towards shared understanding	Mary de Winton, NIWA
3.50	Best Practice Toolbox for Whole of Lake Weed Strategies	Paul Champion, NIWA
4.10	Chemical Control of Lake Weeds	Rohan Wells, NIWA
4.30	Discussion (20 mins)	
4.50	Free Time (50 mins)	

5.30 Annual Mayoral Speaker Forum: Sustainability

Sir Howard Morrison Performing Arts Centre
Panel: Sir Rob Fenwick, Rod Oram, Eamon Walsh

7.00 Symposium Dinner & Entertainment Millennium Hotel

Friday 1st September, 2017

7.30 Registration

Session 5: The Eight Lakes of Tarawera

Chair: Alan Skipwith, Te Pumautanga o Te Arawa

8.20	Mihi Whakatau and Karakia	Dr Ken Kennedy
8.30	Predator free New Zealand by 2050 - Benefits for the Lakes	Martin Kessick, Deputy Director-General, Biodiversity, DOC
8.50	Tarawera Lakes Restoration Plan: Overview	Chris Ingle, BoP Regional Council
9.10	Groundwater Study - The Eight Lakes Catchment	Paul White, GNS Science
9.30	Modelling The Eight Lakes of Tarawera	Chris McBride, University of Waikato
10.00	Morning Break (30 mins)	

Session 6: The Eight Lakes of Tarawera (continued)

Chair: Stewart Edward, LWQS

10.30	The Cultural Perspective: Lakeweed and Pest Animals	Nicki Douglas, Te Arawa Lakes Trust
10.45	The Impact of 1080 on Aquatic Ecology	Alastair Suren, BoP Regional Council
11.05	1080 and the Fight to Save New Zealand's Wildlife	Dave Hansford, Investigative Journalist
11.25	Case Study - Hunua 1080 Project	Mace Ward, Auckland Council
11.45	The Nutrient Impacts of Forestry	Peter Beets, Scion
12.05	Farmer Perspective	Chris Sutton, Rerewhakaaitu
12.20	Discussion (10 mins)	
12.30	Luncheon Break (60 mins)	

Session 7: Responsibilities, Value and Funding

Chair: Bill Cleghorn, BayTrust

1.30	Clean Lakes - What Value? What Cost?	Hannah Mueller, Kessels Ecology
1.50	Lake Tarawera - the Costs of P mitigation and Pest Control	Greg Corbett and John Paterson, BoP Regional Council
2.10	The Cost of Aquatic Weed Control in the Rotorua Te Arawa Lakes	Paul Champion and Rohan Wells, NIWA
2.30	NEXT Foundation: Perspective on Funding	Jan Hania, NEXT Foundation Environmental Director
2.50	Discussion (10 mins)	
3.00	Closing Comments	
	Warwick Silvester / Kit Rutherford	
3.20	Closing Karakia	
	Dr Ken Kennedy	

Symposium Concludes



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