

John McIntosh
Te Waiiti Marae
22 November 2013

The wall was completed in August 2008

Water Quality issues

Lake Rotoiti had deteriorated due to the poor quality of Lake Rotorua water flowing into it.

People living downstream said the wall will send the problem to the Kaituna and Maketu.

Monitoring

Has the wall improved the quality of Lake Rotoiti? Yes — it took 5 years.

Any adverse effects on the quality of the Kaituna River and Maketu Estuary?

No – the outflow to the Kaituna has improved.

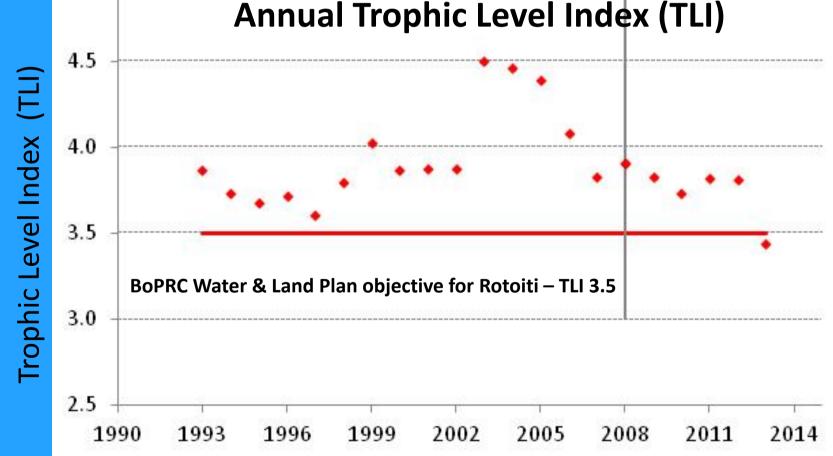
The Problem

Huge algal bloom in Rotoiti in 2002 – worst state of a large lake in NZ since Rotorua in 1970s.

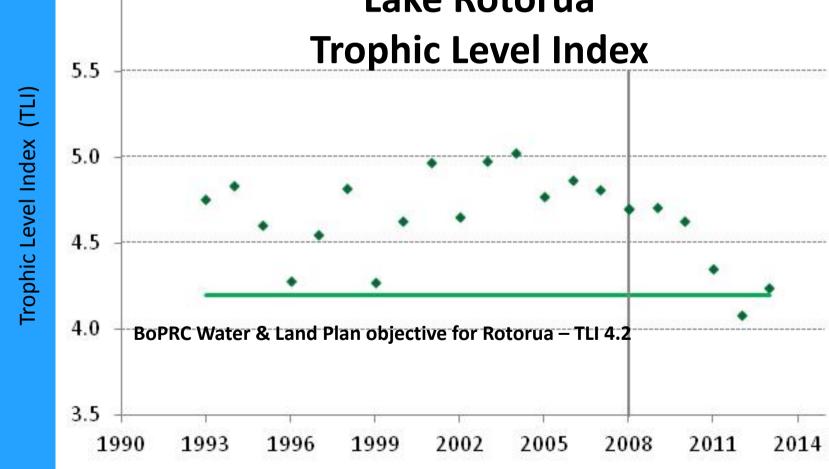
The wall directed problems in Lake Rotorua into the Okere Arm and Kaituna but out of Rotoiti.

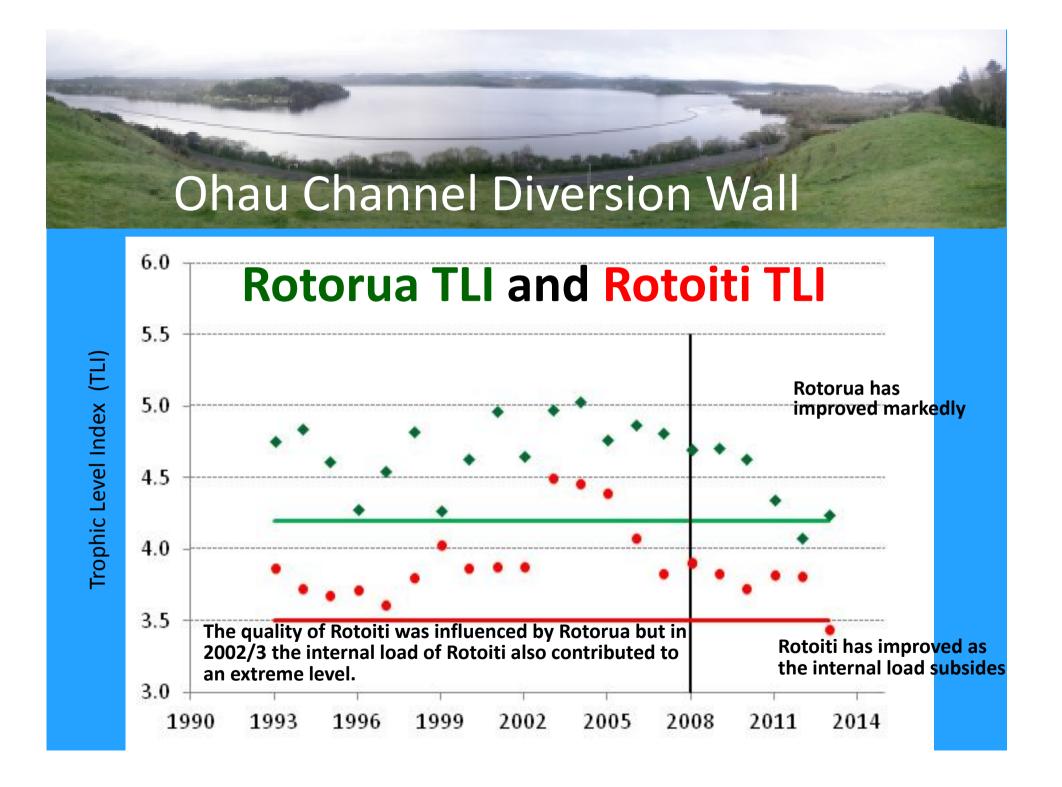
Clean up Rotorua imperative.

Ohau Channel Diversion Wall 5.0 Lake Rotoiti Annual Trophic Level Index (TLI) 4.5



Ohau Channel Diversion Wall Lake Rotorua Trophic Level Index





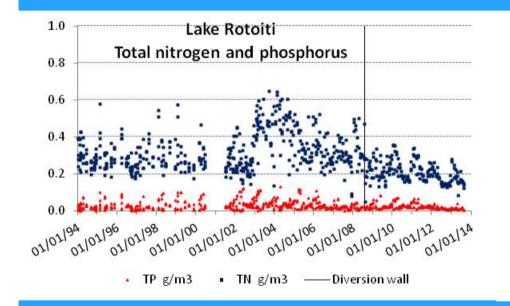
Lake Rotorua - improved quality due to sewage reticulation, alum dosing and some landuse change.

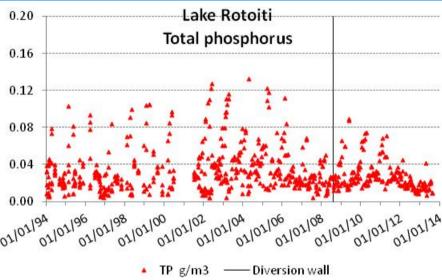
Lake Rotoiti improved by restricting Lake Rotorua water

The End

Lake Rotoiti

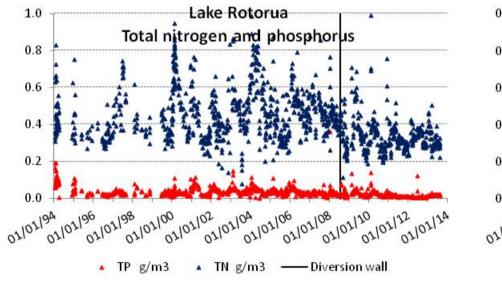
1994 - 2013

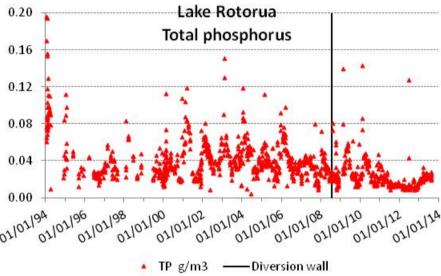




Lake Rotorua

1994 - 2013





Algal bloom warnings

