



Freshwater/Lakes Summary



Dr Simon Stewart – 7 August 2019

Deforestation can result in high sediment yield



Photo source: Simon Fraser, Taranaki River (name not specified).

Deforestation induced sedimentation is not a novel concept for New Zealand



Fine sediment effects on
freshwaters, and the relationship
of environmental state to
sediment load

A literature review

Prepared for the Ministry for the Environment

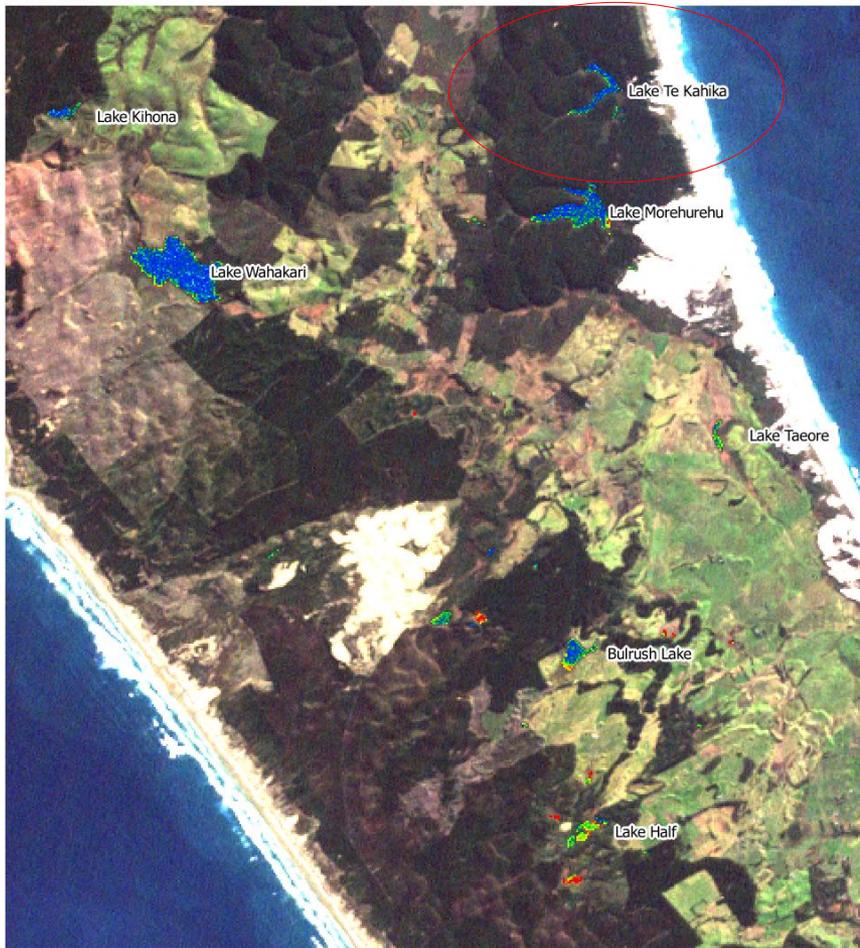
June 2015



Muddy water during a fresh in the Hotoke River, 23 February 2012. (Photo- Andrew Hughes)

Sediment impacts on
lakes have previously
been highlighted

Limited empirical data from forestry settings



Legend

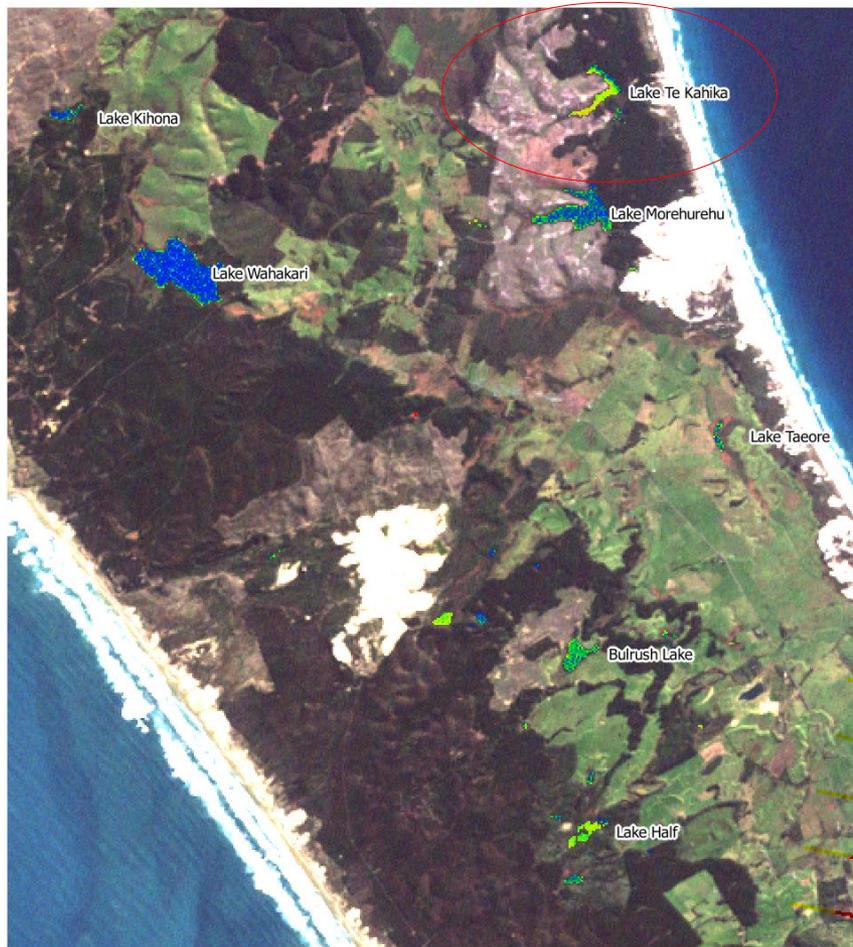
04/07/2006



0 2 4 6 8 km



Limited empirical data from forestry settings



Legend

02/06/2012



0 2 4 6 8 km



High yields of catchment-derived carbon can drive anoxia – causing lakes to ‘flip’

