



Lakes380

Our lakes' health past, present, future

Me hoki whakamuri, kia haere whakamua



LAKE NGANOKE

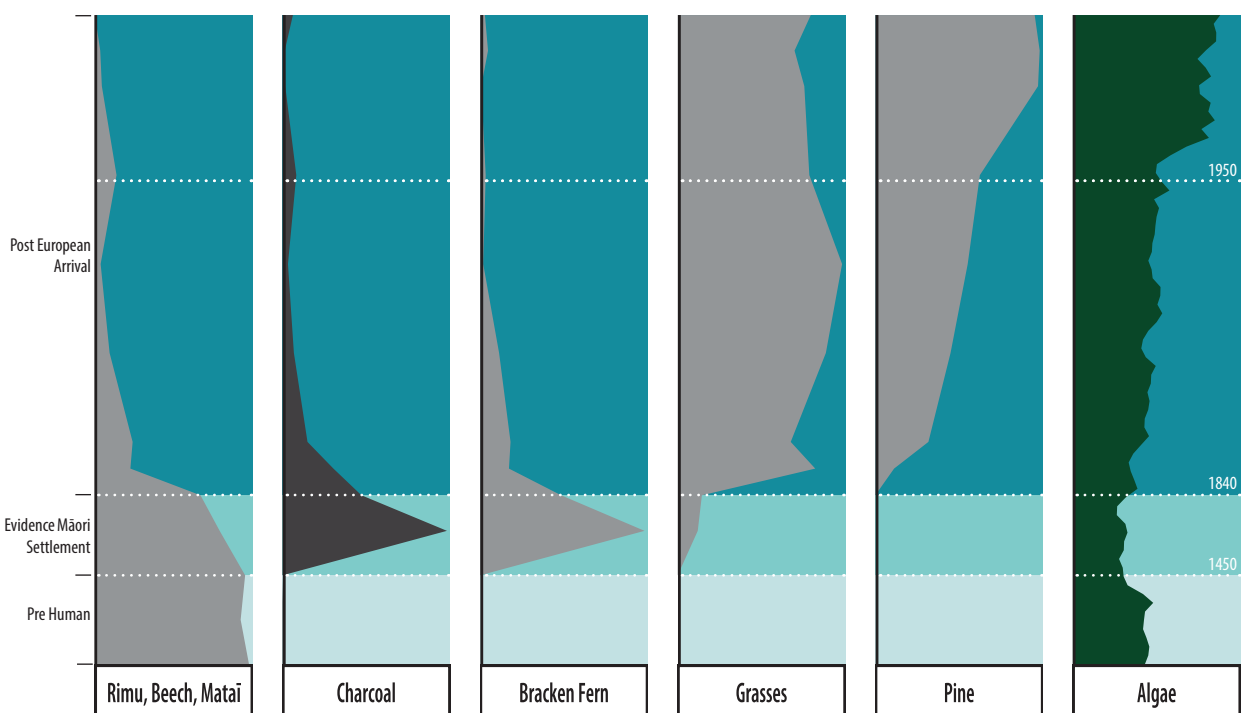
Region: Wellington **Location:** Wairarapa **Coordinates:** 41°35'55 S 175°18'70 E **Depth:** 2 m

Lake Nganoke is a small shallow lake in the Wairarapa. The catchment of the lake is primarily pasture. A mix of exotic and native trees planted in the 1960's form a riparian buffer around both the lake (~5 m wide) and inflowing stream (~30 m wide).

The initial results from the sediment core suggest that prior to European arrival rimu, matai and beech forest were abundant in the region. After human arrival some forest clearance began in the region. This is highlighted in the graphic below by the increase in charcoal (burning) and bracken fern which is

commonly associated with landscape clearance. Post European arrival forest clearance intensified and native vegetation was replaced by pastoral land and non-native trees such as pine. Algal abundance has increased since the advent of European agriculture, especially in the last half century.

POLLEN, CHARCOAL AND ALGAE LEVELS FOR THE PAST ~1000 YEARS



The shaded area indicates the concentration of plants, charcoal or algae through time.

Top of core - 2018

