

Initial results from the sediment core suggest that prior to human arrival dense native forest dominated by podocarps (particularly rimu and

mataī) surrounded Lake Wiritoa.

72 —

78 -

84

96

102 -

108

114

120

126

132 -

138

144

150

156

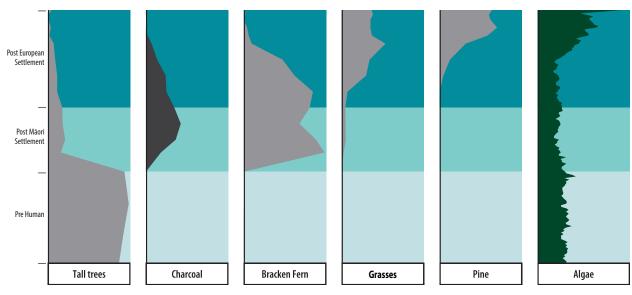
As Māori settled in the region, some forest clearance began. This is highlighted in the graphic below by a decrease in tall trees, combined with charcoal (burning) and bracken

fern pollen, which is commonly associated with landscape disturbance.

After European arrival native vegetation was replaced by pastoral lands, and non-native trees such as pines were planted in the region.

Algae have always been present in the lake, but levels have increased markedly in the last  $\sim$ 50 years.

## POLLEN, CHARCOAL AND ALGAE LEVELS FOR THE PAST ~1200 YEARS



This graphic indicates changes in abundance of plants, charcoal or algae through time.