Top of core - 2020

## 

## LAKE

## MARION

Region: Canterbury Location: Sumner Regional Park Coords: $42^{\circ} 40^{\prime} 44^{\prime \prime} \mathrm{S} 172^{\circ} 13^{\prime} 54^{\prime \prime} \mathrm{E}$ Depth: 6 m Lake Marion lies north of Lake Sumner, in the Hurunui - Waiau Water Management Zone. The lake is free from introduced fish and protected as a 'Faunal Reserve'. The lake is sometimes high in nutrients caused by natural nutrient cycling.

Initial results from the sediment core suggest that the dense native beech forest catchment surrounding Lake Marion today has not changed since prior to human arrival.

As Māori arrived there are indications of changes further afield in the region. Traces of charcoal (burning) and bracken fern pollen appear, which is commonly associated with landscape disturbance. An aquatic plant known as isoetes

