

# GEOLOGY

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Pekapeka is located in the Poukawa basin to the south of the Heretaunga Plains. It lies in a depression between the limestone caps of Raukawa Range (eastern), and Kaokauroa Range (western). These surrounding ranges are 300 - 400m above sea level while Pekapeka is only 20m above sea level.



## Fault lines

There are a number of faults passing through the catchment with the most active being the Wairarapa fault that passes along the eastern side of Pekapeka wetland.

## Soils

Wetland soils are generally acidic however peat soils are highly acidic (pH 3-4). The content of wetland soils depends on how much peat is present.

## Peat

Studies indicate that peat began to form in the wetland around 10,000 years ago. Pekapeka has approximately 250mm of black peat at its center. However at the edges of the wetland it becomes much thinner.

