

Mayfield Water Supply

Where does the water come from?

The water for Mayfield is sourced from a groundwater bore (well) on Arundel Rakaia Gorge Road.

The bore is 119m deep and is consented to deliver up to 3.5 litres per second.



How is it treated?

Water from the bore pumped, through the treatment plant and into eight storage tanks. Booster pumps located at the treatment plant then pressurise the water into the water main reticulation to serve the customers on the supply. The treatment plant is located near the bore.

In the treatment plant, the water is dosed with a small amount of chlorine (as sodium hypochlorite).

The chlorine is added to provide a disinfection residual that will kill any bacteria that might enter the water supply in the reticulation after it goes through the treatment plant. This could potentially happen if there is a break in a water pipe.

At the treatment plant site, there is a standby diesel generator that can operate the bore, pumps and the treatment plant if the power is lost to the site.

How does the water get to my house?

Water flows from the treatment plant to customer's homes and businesses through a pipe network. Some interesting bits of information about the water supply are:

- About 4.8km of pipe makes up the Mayfield Water Supply
- The largest water mains are 100mm in diameter
- Most of the water mains are 800mm in diameter
- There are over 60 water connections to people's properties