



What is the Renwick Aquifer Level graph showing?

This graph shows the aquifer level at well 3 in Terrace Road for last year (green line) versus this year (light blue line). The water level is measured in millimetres above the top of the pump in the well. The green line across the page at 1000 mm is the level at which the output from the well has to be reduced to protect the pump from being damaged by air which can be drawn into the pump when the water level is close to the pump intake. Reducing the pumps output will elevate the aquifer level at the well when the pump is running. But when the output from the wells is reduced the volume of water available to Renwick is also reduced. At these times it is necessary for the community to reduce peak water demand. The demand has to be approximately equal to or less than the combined output from the bore pumps. This is normally about 55 litres per second. The reduction can be voluntary or with the implementation of restrictions.

This graph also shows the water used daily (dark blue- 19/20 & red 20/21, lines).