E. coli monitoring
Shotover & Kawarau Rivers

Shotover WWTP E. coli results									
Parameter		**E. coli**							
Unit		**CFU/100mL**							
Location		**EFF** Final discharge from Shotover WWTP	**RS15** End of drainage trench	**RS04 B** Shotover River upstream of discharge to provide baseline water quality	**RS16** Shotover River immediately downstream from discharge channel	**RS06 B** Shotover River 50m downstream of discharge	**RS09** Shotover River 300m downstream of discharge site	**RS11** Kawarau River upstream of confluence	**RS10** Kawarau River downstream of confluence
Date	3 June 2025	**<10**	**28**	**1**	**3**	**2**	**3**	**5**	**1**
	12 June 2025	**<10**	**33**	**15**	**190**	**13**	**12**	**9**	**7**
	18 June 2025	**10**	**16**	**1**	**40**	**1**	**1**	**6**	**<1**
	26 June 2025	**<10**	**8**	*	*	*	*	*	**240**

The month of June shows low E. coli results from the majority of Shotover and Kawarau River testing sample sites. Slightly elevated results were returned from the 12 June sample taken at RS16, but treated effluent coming from the plant had a reading of 10 CFU/100mL at the time. It is likely that rainfall contributed to the elevated E. coli result returned from the RS10 sample taken on 26 June.

*Multiple sites could not be sampled on 26 June as safe access was unavailable following heavy rain.

Looking for more data?

You'll find historical data on Shotover Wastewater Treatment Plant and the latest testing results for the facility's discharge consent at **www.qldc.govt.nz/shotover-wwtp-water-quality**

Why we test for E. coli

E. coli is a type of bacteria commonly found in the intestines of warm-blooded animals, including people. They're a useful indicator of whether bacteria, viruses, or protozoa (single-celled parasites, like cryptosporidium and giardia) that can make people sick are present in soil and freshwater.

More information on acceptable E. coli amounts in swimming water is available on the Land Air Water Aotearoa (LAWA) website at www.lawa.org.nz

We undertake water sampling and testing at Shotover Wastewater Treatment Plant at daily, weekly, and monthly frequencies. Water sampling and testing in Shotover and Kawarau rivers occurs weekly and monthly.

QUEENSTOWN LAKES DISTRICT COUNCIL

Water quality sampling locations

Shotover & Kawarau Rivers