

# 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	1 July	15	65.9	6.4	*	13.7	9.9	9.9	6.4
	9 July	29	60	1	*	13	15	1	1
	16 July	160	190	6	*	30	21	2	2
	24 July	900	750	<1	*	130	69	1	<1
	31 July	70	70	2	*	10	7	<1	2

Shotover WWTP is currently transitioning upgrades, which in combination with colder weather is resulting in some performance variability, as evident through the elevated result from 24 July. The team on site is working to ensure treatment performance is optimised throughout this period. Sampling results from 31 July show a return to normal discharge quality.

\*RS16 has not been able to be sampled in July to date as safe access is unavailable due to high river flows.

### 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](https://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](http://www.lawa.org.nz)



# Water quality sampling locations

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