

# E. coli monitoring

## Shotover & Kawarau Rivers

| Shotover WWTP E. coli results |           |                                           |                                |                                                                                  |                                                                      |                                                      |                                                          |                                              |                                                |
|-------------------------------|-----------|-------------------------------------------|--------------------------------|----------------------------------------------------------------------------------|----------------------------------------------------------------------|------------------------------------------------------|----------------------------------------------------------|----------------------------------------------|------------------------------------------------|
| Parameter                     |           | E. coli                                   |                                |                                                                                  |                                                                      |                                                      |                                                          |                                              |                                                |
| Unit                          |           | Per 100mL                                 |                                |                                                                                  |                                                                      |                                                      |                                                          |                                              |                                                |
| Location                      |           | EFF<br>Final discharge from Shotover WWTP | RS15<br>End of drainage trench | RS04 B<br>Shotover River upstream of discharge to provide baseline water quality | RS16<br>Shotover River immediately downstream from discharge channel | RS06 B<br>Shotover River 50m downstream of discharge | RS09<br>Shotover River 300m downstream of discharge site | RS11<br>Kawarau River upstream of confluence | RS10<br>Kawarau River downstream of confluence |
| Date                          | 6 August  | 310                                       | 109.1                          | 7.5                                                                              | 15                                                                   | 16.4                                                 | 19.2                                                     | 3.1                                          | 2                                              |
|                               | 13 August | 50                                        | 170                            | <1                                                                               | 47                                                                   | 25                                                   | 24                                                       | <1                                           | <1                                             |
|                               | 19 August | 48                                        | 20                             | <1                                                                               | 15                                                                   | 5                                                    | <1                                                       | 1                                            | 5                                              |
|                               | 26 August | 63                                        | 100                            | <1                                                                               | 31                                                                   | 25                                                   | 20                                                       | 2                                            | 1                                              |

Sampling results show final discharge from Shotover WWTP exceeded QLDC's consent conditions on 6 August, following a short disruption to the treatment plant's control system.

### 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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