

Water quality at the Quiet Lakes

E. coli 95th percentiles calculated via Hazen calculation method, as per Environment Reference Standard (ERS) (2021) [The Environment Reference Standard | Environment Protection Authority Victoria \(epa.vic.gov.au\)](#) The ERS provides the benchmark in Victoria for water quality suitable for Secondary Contact Recreation, based on scientifically based safe levels for activities around water.

Legend:

Colour	Category
Green	Suitable for primary contact (≤ 260 <i>E. coli</i> /100mL)
Yellow	Suitable for secondary contact (261 - 5,500 <i>E. coli</i> /100mL)
Orange	Not suitable for any contact ($> 5,500$ <i>E. coli</i> /100mL)

Primary Contact Recreation: recreational activities where the person is in direct contact with the water, can be fully immersed, and can swallow it. For example, swimming, surfing, diving, and water-skiing.

Secondary Contact Recreation: recreational activities where the person has direct contact with the water, but is not fully immersed, and is unlikely to swallow it. For example, boating, canoeing, wading, paddling, and fishing.

Summary *E. coli* data for the last five years (2018-19 to 2022-23):

Site	All Weather*		Dry Weather**	
	95 th percentile (hazen method)	Number of samples	95 th percentile (hazen method)	Number of samples
Lake Carramar	1895	71	1062	57
Lake Illawong	468	72	434	58
Lake Legana	278	72	178	58

*Based on all samples collected over the last five years including both dry and wet weather conditions.

**Based on samples collected over the last five years during dry weather conditions only. Samples that were associated with ≥ 1 mm rainfall at Moorabbin Airport (BOM station #86077) were removed from the percentile calculation .

Sample *E. coli* data for the last five years (2018-19 to 2022-23)

