

# Turbidity NTU

## Description

The turbidity of water is caused by suspended material such as sands, silts and clays; organic particles from decomposition of plants and animal debris. Levels greater than 1 NTU may shield some microorganisms from disinfection therefore turbidity levels of less than 1 NTU are desirable for effective disinfection of water sourced from unprotected water catchments. Water sourced from Melbourne water originates from protected water catchments that have lower microbiological risks and so turbidity levels up to 5 NTU are permitted. Please refer to our website for information on where your water is sourced.

**Dept of Health & Australian  
Drinking Water Guideline  
Value**

< 5 NTU (Nephelometric Turbidity Units) for appearance.

Water Quality Locality	ID Number	May-11				Rolling 12-Month Results				
		Number of Samples	Mean value (NTU)	Minimum Test Value	Maximum Value (NTU)	Number of Samples	95% upper confidence limit of the Mean	Complies Y / N	Minimum Test Value	Maximum Test Value
Bulla	1	4	0.7	0.6	0.8	52	0.8	Yes	<0.1	0.8
Darley	2	5	0.3	0.2	0.4	52	0.5	Yes	<0.1	0.5
Diggers Rest	3	5	1.2	0.8	1.8	52	0.9	Yes	<0.1	0.9
Eynesbury	4	5	0.2	0.1	0.4	52	0.7	Yes	<0.1	0.6
Gisborne	5	4	0.9	0.6	1.2	52	0.8	Yes	<0.1	0.8
Lancefield	6	4	<0.1	<0.1	<0.1	52	0.2	Yes	<0.1	0.2
Lerderderg	7	5	0.2	0.1	0.4	52	0.6	Yes	<0.1	0.5
Macedon	8	5	0.8	0.7	0.9	52	0.9	Yes	<0.1	0.8
Maddingley	9	5	0.4	0.1	0.9	52	0.5	Yes	<0.1	0.5
Melton South	10	4	0.3	0.1	0.4	52	0.8	Yes	<0.1	0.7
Merrimu	11	5	0.2	0.1	0.2	51	0.8	Yes	<0.1	0.8
Mount Macedon	12	5	0.7	0.5	1.1	52	0.8	Yes	<0.1	0.8
Myrning	13	5	0.1	0.1	0.2	52	0.3	Yes	<0.1	0.3
Riddells Creek	14	4	0.7	0.5	0.7	52	1.1	Yes	<0.1	1.1
Rockbank	15	4	0.3	0.1	0.6	52	0.8	Yes	<0.1	0.7
Romsey	16	4	0.1	0.1	0.2	52	0.3	Yes	<0.1	0.2
Sunbury	17	4	0.8	0.7	0.8	52	1.0	Yes	<0.1	0.9
Toolern Vale	18	4	0.1	0.1	0.2	52	0.6	Yes	<0.1	0.6
Woodend	19	5	0.2	0.1	0.5	52	0.4	Yes	<0.1	0.4
<b>Business Total</b>		<b>86</b>	<b>0.4</b>			<b>987</b>	<b>0.7</b>			

