



Water quality results

The following tables summarise current water quality results at Romsey RWP compared to Class B standards under the [Victorian guideline for water recycling \(EPA Victoria\)](#), and the table also includes results at the upstream and downstream of Romsey RWP.

Sampling locations are marked on the illustrated map. Water is released at **Sampling Point 4 Discharge Point**. This sample represents the water discharged from our storage lagoon and is not mixed with the passing stormwater flows. Red-Orange-Green status are indicated on the results and below are the definitions.

How to read our water quality testing report



Green = Pass Class B

Results meet or exceed EPA guidelines for Class B recycled water.



Orange = does not meet Class B (E. coli) guidelines

Results do not meet Class B guidelines for E. coli. If E. coli results exceed 100 org/100ml on two consecutive occasions, we will stop releasing the water and take additional measures to improve water quality. This is a higher standard than previously required by the EPA and demonstrates our commitment to protecting Deep Creek and the community.



Red = Fail Class B

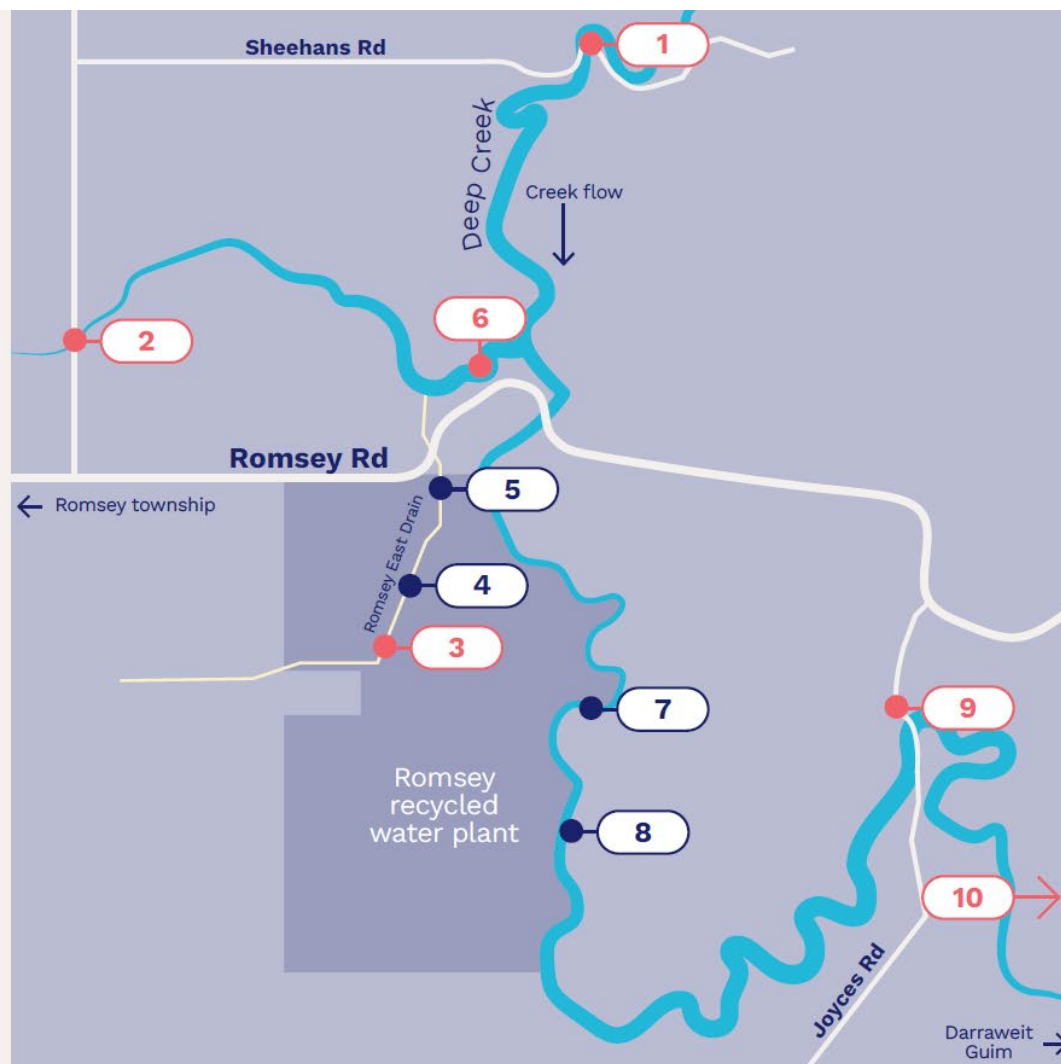
Results do not meet Class B guidelines. GWW will pause the release and take additional measures to improve water quality. Sometimes sampling point results may be impacted by other water or substances entering Deep Creek outside GWW's control. For example, during heavy rainfall, stormwater from the stormwater drain (sampling point 3) upstream of the Romsey release point (sampling point 4) may enter the waterway.

Sampling locations

- 1 Deep Creek upstream of discharge point
- 2 Romsey upstream tributary
- 3 Stormwater drain upstream of discharge point
- 4 Discharge point
- 5 Stormwater drain downstream of discharge point
- 6 Romsey downstream tributary at the junction
- 7 Deep Creek downstream of discharge point
- 8 Creek flow measurement
- 9 Deep Creek downstream of discharge point
- 10 Deep Creek downstream of discharge point

● Sampling and analysis by GWW and third party

● Sampling and analysis by third party



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pH results

Date	Sampling Point 1- Creek Upstream	Sampling Point 2- Upstream Tributary	Sampling Point 3- Drain Upstream	Sampling Point 4- Discharge Point	Sampling Point 5- Drain Down stream	Sampling Point 6- Down stream Tributary	Sampling Point 7- Creek Down stream	Sampling Point 9- Creek Down stream- Joyce Rd	Sampling Point 10- Creek Down stream- Chintin Rd
CLASS B OBJECTIVE				Between pH 6 and 9					
16/07/2026 [#]	7.1	7.5	7.4	Not tested	Not tested	7.6	7.1	7.7	Not tested
21/07/2026	7.1	7.1	7.3	8.5	8	7.8	7.3	7.8	7.4
22/07/2026	7	7.1	7.8	8.5	8.2	7.9	7.3	7.3	7.2
24/07/2026	7	7.2	7.4	8.6	8.2	7.9	7.4	7.5	7.5
27/07/2026	7.2	7.2	7.3	8.2	8.2	8.0	7.4	7.5	7.6
29/07/2026	7.0	7.1	7.3	7.9	8.0	7.7	7.3	7.4	7.6
31/07/2026	7	7.1	7.3	7.9	7.9	7.8	7.3	7.5	7.6
05/08/2026	7.5	7.8	7.4	7.9	7.8	7.6	7.4	7.4	7.7
10/08/2026 ^{^1}	7.2	7.3	7.3	8.0	7.4	7.7	7.3	7.5	7.6
11/08/2026 ^{^2}	6.8	7.2	7.1	8.0	7.4	7.5	7.0	7.1	7.0
12/08/2026	7.4	7.7	7.3	8.0	8.1	7.6	6.6	7.2	7.3
14/08/2026	7.1	7.2	7.4	7.8	7.5	7.6	7.2	7.3	7.4
17/08/2026	7.3	7.4	7.4	7.8	7.9	7.8	7.3	7.5	7.5
19/08/2026 ^{^3}	8.0	7.5	7.5	8.1	7.8	7.7	7.5	7.4	7.6
21/08/2026	6.6	7.0	7.0	7.7	7.2	7.5	7.0	6.9	7.0
24/08/2026 ^{^4}	7.3	7.4	7.6	7.7	7.7	7.9	7.3	7.4	7.4
26/08/2026	7.0	7.2	7.0	8.0	7.3	7.5	7.0	7.1	7.2

28/08/2026	6.9	7.1	7.3	7.6	7.5	N/A	7.1	7.2	7.1
31/08/2026	7.2	7.4	7.5	8.2	7.8	8.1	7.5	8.0	8.1
3/09/2026	7.4	7.6	8.0	7.9	7.9	7.8	7.5	7.5	7.6
4/09/2026	7.5	7.6	7.4	7.7	7.7	7.7	7.4	7.4	7.5
7/09/2026 ^{^5}	7.2	7.5	7.3	7.8	7.8	7.9	7.1	7.5	7.6

#Baseline testing on 16-07-2026. No release to creek.

^{^1}Rain event (31.4 mm)

^{^2}Rain event (13.6 mm)

^{^3}Rain event (4 mm)

^{^4}Rain event (14.6 mm)

^{^5}Rain event (12.8 mm)

BOD (Biological Oxygen Demand) results

Date	Sampling Point 1- Creek Upstream	Sampling Point 2- Upstream Tributary	Sampling Point 3- Drain Upstream	Sampling Point 4- Discharge Point	Sampling Point 5- Drain Down stream	Sampling Point 6- Down stream Tributary	Sampling Point 7- Creek Down stream	Sampling Point 9- Creek Down stream- Joyce Rd	Sampling Point 10- Creek Down stream- Chintin Rd
CLASS B OBJECTIVE				Less than 20 mg/L					
16/07/2026 [#]	< 2	< 2	<2	Not tested	Not tested	< 2	< 2	Not tested	Not tested
21/07/2026	<2	<2	4	<2	<2	4	<2	<2	<2
22/07/2026	<2	<2	<2	<2	<2	<2	<2	<2	<2
24/07/2026	<2	2	<2	<2	<2	<2	<2	<2	<2
27/07/2026	3	<2	<2	5	4	<2	<2	<2	<2
29/07/2026	<2	<2	<2	<2	3	<2	<2	<2	<2
31/07/2026	<2	<2	<2	3	4	<2	<2	<2	<2
05/08/2026	<2	<2	<2	<2	<2	<2	<2	<2	<2
10/08/2026 ^{^1}	<2	<2	<2	<2	<2	<2	<2	<2	<2
11/08/2026 ^{^2}	4	4	<2	<2	5	4	3	3	<2
12/08/2026	<2	<2	<2	<2	<2	<2	<2	<2	7
14/08/2026	<2	<2	<2	<2	<2	<2	<2	<2	<2
17/08/2026	<2	<2	3	<2	<2	<2	<2	<2	3
19/08/2026 ^{^3}	<2	<2	<2	<2	<2	<2	<2	<2	<2
21/08/2026	<2	<2	<2	<2	4	<2	<2	<2	3
24/08/2026 ^{^4}	<2	<2	2	3	3	3	<2	2	<2
26/08/2026	2	<2	3	3	4	2	<2	2	2
28/08/2026	<2	<2	<2	<2	<2	N/A	<2	<2	<2

31/08/2026	<2	<2	<2	<2	<2	<2	<2	<2	3.00
3/09/2026	<2	<2	<2	<2	<2	<2	<2	<2	<2
4/09/2026	<2	<2	<2	<2	<2	<2	<2	<2	<2
7/09/2026 ^{^5}	*	*	*	*	*	*	*	*	*

#Baseline testing on 16-07-2026. No release to creek.

*Results pending. BOD testing takes 5 days

^{^1}Rain event (31.4 mm)

^{^2}Rain event (13.6 mm)

^{^3}Rain event (4 mm)

^{^4}Rain event (14.6 mm)

^{^5}Rain event (12.8 mm)

E. coli results

Date	Sampling Point 1- Creek Upstream	Sampling Point 2- Upstream Tributary	Sampling Point 3- Drain Upstream	Sampling Point 4- Discharge Point	Sampling Point 5- Drain Down stream	Sampling Point 6- Down stream Tributary	Sampling Point 7- Creek Down stream	Sampling Point 9- Creek Down stream- Joyce Rd	Sampling Point 10- Creek Down stream- Chintin Rd
CLASS B OBJECTIVE				Less than 100 orgs/100mL					
16/07/2026 [#]	52	63	52	Not tested	170	63	74	Not tested	Not tested
21/07/2026	19	91	30	0	180	250	46	31	29
22/07/2026	23	180	12	1	28	31	30	43	11
24/07/2026	25	130	15	0	3	45	39	32	28
27/07/2026	23	2,000	1,300	2	460	51	56	28	96
29/07/2026	34	210	79	7	22	85	<2400	28	55
31/07/2026	29	120	200	19	51	91	100	11	33
05/08/2026	36	410	50	0	2	110	65	13	110
10/08/2026 ^{^1}	>2400	96	>2400	9	>2400	>2400	650	180	>2400
11/08/2026 ^{^2}	>2400	>2400	>2400	66	>2400	>2400	>2400	2400	>2400
12/08/2026	2100	2100	1600	47	2000	1600	1500	1900	2500
14/08/2026	120	520	<10	1	200	190	160	190	330
17/08/2026	51	200	15	2	0	35	30	12	19
19/08/2026 ^{^3}	24	>2400	770	0	71	64	50	54	23
21/08/2026	60	170	43	0	11	110	47	37	39
24/08/2026 ^{^4}	60	170	43	0	11	110	47	37	39
26/08/2026	980	280	310	3	1,100	330	580	580	280

28/08/2026	67	110	43	0	11	N/A	41	53	43
31/08/2026	21	96	35	0	3	65	23	10	30
3/09/2026	33	160	210	0	7	170	99	58	57
4/09/2026	26	190	150	0	11	41	41	43	66
7/09/2026 ^{^5}	200	210	110	0	38	110	210	160	200

#Baseline testing on 16-07-2026. No release to creek.

*Results pending.

^{^1}Rain event (31.4 mm)

^{^2}Rain event (13.6 mm)

^{^3}Rain event (4 mm)

^{^4}Rain event (14.6 mm)

^{^5}Rain event (12.8 mm)

Suspended solids results

Date	Sampling Point 1- Creek Upstream	Sampling Point 2- Upstream Tributary	Sampling Point 3- Drain Upstream	Sampling Point 4- Discharge Point	Sampling Point 5- Drain Downstream	Sampling Point 6- Downstream Tributary	Sampling Point 7- Creek Downstream	Sampling Point 9- Creek Downstream - Joyce Rd	Sampling Point 10- Creek Downstream - Chintin Rd
CLASS B OBJECTIVE				Less than 30 mg/L					
16/07/2026 [#]	4	<2	17	Not tested	Not tested	3.9	4	Not tested	Not tested
21/07/2026	<2	<2	69	12	16	< 1	5	<2	<2
22/07/2026	<2	<2	48	11	17	2	3	<2	<2
24/7/2026	2	<2	5	10	10	2	<2	<2	3
27/07/2026	5	<2	2	11	10	2	4	<2	<2
29/07/2026	<2	<2	<2	7	8	5	4	<2	<2
31/07/2026	3	<2	12	10	11	5	7	<2	<2
05/08/2026	3	2	4	8	31	<2	8	<2	<2
10/08/2026 ^{^1}	4	47	29	10	37	49	<2	2	24
11/08/2026 ^{^2}	12	13	23	5	25	33	16	13	51
12/08/2026	14	6	18	14	18	6	10	8	15
14/08/2026	4	4	14	7	12	10	4	6	8
17/08/2026	8	<2	<2	4	4	<2	<2	<2	<2
19/08/2026 ^{^3}	3	22	12	8	<2	2	<2	<2	<2
21/08/2026	9.0	5.0	10	7	13.0	13.0	5.0	9.0	13.0
24/08/2026 ^{^4}	4.0	<2	<2	4	4.0	6.0	<2	<2	4.0
26/08/2026	4.0	2.0	12	3	9.0	5.0	4.0	8.0	5.0
28/08/2026	<2	2.0	15	<2	6.0	N/A	2.0	2.0	6.0
31/08/2026	<2	<2	<2	<2	8.0	*	<2	*	*

3/09/2026	<2	4.0	6	4	6.0	<2	<2	<2	<2
4/09/2026	<2	3.0	<2	3	6.0	<2	<2	<2	<2
7/09/2026 ^{^5}	<2	<2	<2	4	6.0	2.0	<2	<2	<2

#Baseline testing on 16-07-2026. No release to creek.

^{^1}Rain event (31.4 mm)

^{^2}Rain event (13.6 mm)

^{^3}Rain event (4 mm)

^{^4}Rain event (14.6 mm)

^{^5}Rain event (12.8 mm)

*Results pending.

Helminth results

Date	Sampling Point 1- Creek Upstream	Sampling Point 2- Upstream Tributary	Sampling Point 3- Drain Upstream	Sampling Point 4- Discharge Point	Sampling Point 5- Drain Downstream	Sampling Point 6- Downstream Tributary	Sampling Point 7- Creek Downstream	Sampling Point 9- Creek Downstream - Joyce Rd	Sampling Point 10- Creek Downstream - Chintin Rd
GWW TARGET				Less than detection limit^{^3}					
31/07/2026	Not tested	Not tested	Not tested	<0.1	Not tested	Not tested	Not tested	Not tested	Not tested
11/08/2026 ^{^2}	Not tested	Not tested	Not tested	<0.1	Not tested	Not tested	Not tested	Not tested	Not tested

^{^2}Rain event (13.6 mm)

^{^3}GWW regularly tracks that Romsey RWP meets lagoon detention of secondary treated effluent for ≥25 days as per the helminth reduction requirement under the Victorian guideline for water recycling (EPA Victoria). Water sample is collected and tested for any presence of helminth and the result is GWW's way of verifying helminth has not been detected.

Glossary

Biological Oxygen Demand (BOD)	BOD measures the amount of dissolved oxygen used by aerobic microorganisms to break down organic material present in water. It's an important water quality measure as BOD directly affects the amount of dissolved oxygen in rivers and streams. The higher the BOD is, the more rapidly oxygen is depleted in the stream, which means there is less oxygen available to aquatic life.
Class B	A high grade of recycled water acceptable for a number of uses including for certain human food crops, livestock grazing and fodder, and irrigation of public spaces such as sporting ovals and golf courses. Class B recycled water is suitable for sheep, goats, cattle, horses and poultry drinking water. It's not suitable for pigs to drink.
Escherichia coli (E. coli)	E. coli are common bacteria, normally found in the gut of warm-blooded animals. There are many types of E. coli bacteria, most of which are harmless. However, some types of E. coli produce toxins (poisons) that can cause gastroenteritis (gastro). <u>Source: betterhealth.vic.gov.au</u>
Dilution ratio	The dilution ratio is a measure of recycled water to creek water. The recycled water must be mixed well with the water in the creek to achieve dilution and this occurs through the normal flow of the waterway.
Discharge point	This is the point where we release treated recycled water from the recycled water plant into the waterway.
Flow rate	This is the volume of water passing through a section of the creek for a specified period of time. Each day we measure the flow rate of the creek and adjust the flow rate of the recycled water release to ensure the highest possible dilution rate.
Helminth	Helminths are parasitic worms that can infect humans and other animals. The <i>Livestock Disease Control Act 1994</i> outlines requirements for livestock drinking and grazing land irrigated with recycled water to protect stock and human health. A requirement for helminth control is a key part of this Act, that requires specific treatment processes to reduce pathogens, including helminth, to acceptable levels. This is to prevent helminth infections in cattle ('beef measles' or <i>Cysticercus bovis</i>) caused by the helminth <i>Taenia saginata</i> , a human tapeworm in cattle which can impact meat quality. <u>Source: epa.vic.gov.au</u>

Glossary

pH	pH is a scale of acidity from 0 to 14. It tells us how acidic or alkaline the water is. More acidic water will have lower pH while more alkaline solutions have higher pH. Neutral solutions (that aren't acidic or alkaline usually have a pH of 7.
Recycled water	Water that has been derived from sewerage systems or industry processes and treated to a standard that is appropriate for its intended use. <u>Source: epa.vic.gov.au</u>
Suspended solids	Small solid particles that remain in suspension in water. This is an indicator of water quality. The more solids present in the water, the less clear the water will be.