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.

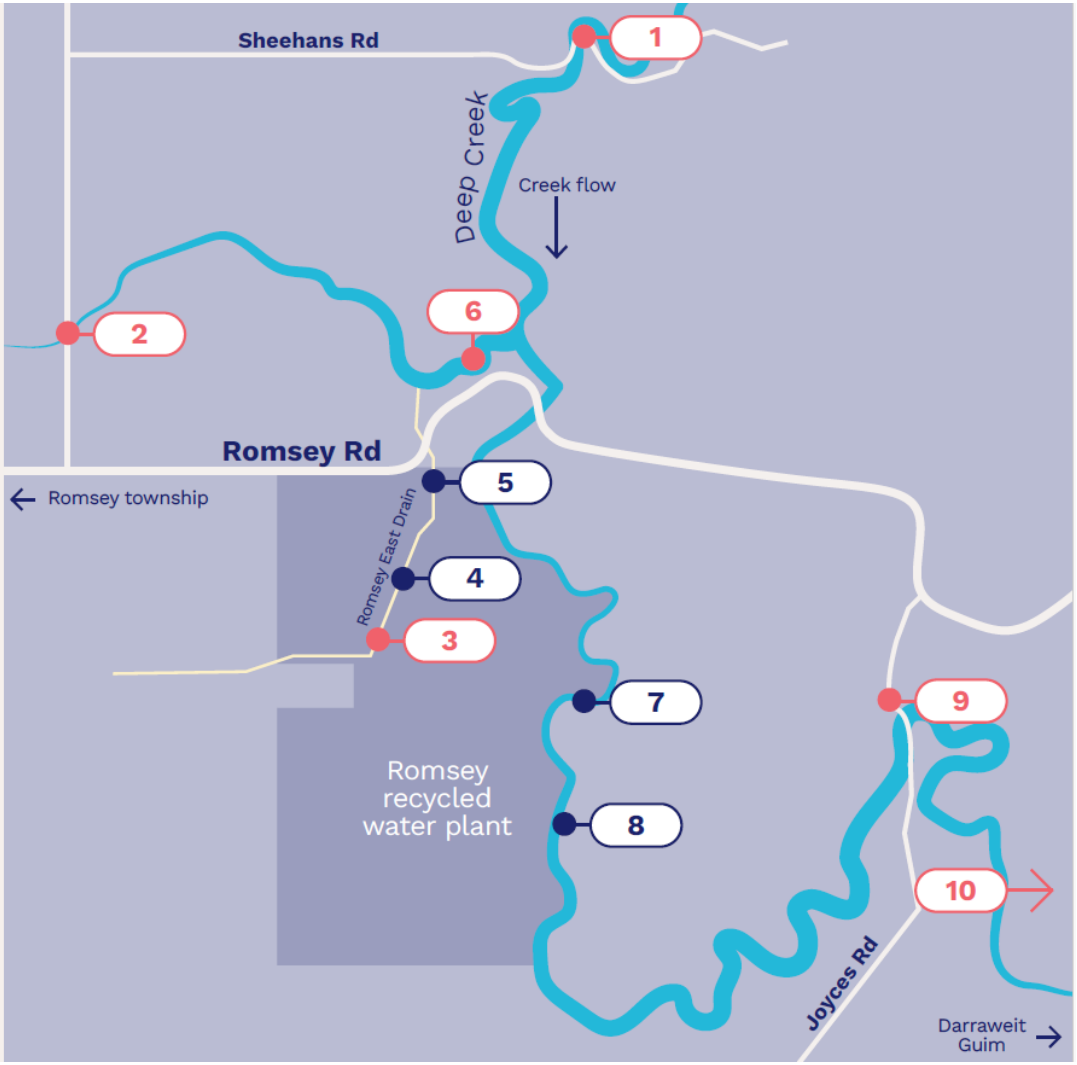
Red = Fail Class B
Results do not meet Class B guidelines. GWW will pause the release and take additional measures to improve water quality. Sometimes sampling point results may be impacted by other water or substances entering Deep Creek outside GWW's control. For example, during heavy rainfall, stormwater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

Greater Western Water

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	SP1: Romsey RWP_Deep Creek U/S - Shehan Rd Bridge	SP2: Romsey Upstream Tributary - Tickawarra Rd bridge	SP3: Stormwater Drain Upstream of Discharge Point	**SP4: Winter Storage 3 (Effluent)**	SP5: Discharge Point (Drain)	SP6: Stormwater Drain Downstream of Discharge Point	SP7: Romsey Downstream Tributary at the Junction	SP8: Deep Creek Downstream of Discharge Point	SP9: Deep Creek Downstream of Discharge Point - Joyces Road	SP10: Romsey RWP_Deep Creek Downstream - Chintin Road
CLASS B OBJECTIVE				**Between pH 6 and 9**						
16/07/2026#	7.1	7.5	7.4	8.4	Not tested	Not tested	7.6	7.1	Not tested	Not tested
21/07/2026	7.1	7.1	7.3	8.5	8.5	8	7.8	7.3	7.4	7.4
22/07/2026	7	7.1	7.8	8.5	8.5	8.2	7.9	7.3	7.3	7.2
24/07/2026	7	7.2	7.4	8.4	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	8.2	8	7.4	7.5	7.6
29/07/2026	7	7.1	7.3	8.2	7.9	8	7.7	7.3	7.4	7.6
31/07/2026	7	7.1	7.3	7.9	7.9	7.9	7.8	7.3	7.5	7.6
03/08/2026	7.3	7.7	7.4	7.8	8	8	7.8	7.4	7.5	7.2
05/08/2026	7.5	7.8	7.4	8	7.9	7.8	7.6	7.4	7.4	7.7
07/08/2026	7.5	7.5	7.3	7.9	7.9	8	7.6	7.4	7.4	7.6
10/08/2026^[1]	7.2	7.3	7.3	8	8	7.4	7.7	7.3	7.5	7.6

11/08/2026^[2]	6.8	7.2	7.1	8.1	8	7.4	7.5	7	7.1	7
12/08/2026	7.4	7.7	7.3	8.1	8	8.1	7.6	6.6	7.2	7.3
14/08/2026	7.1	7.2	7.4	8	7.8	7.5	7.6	7.2	7.3	7.4
17/08/2026	7.3	7.4	7.4	7.8	7.8	7.9	7.8	7.3	7.5	7.5
19/08/2026^[3]	8	7.5	7.5	8.3	8.1	7.8	7.7	7.5	7.4	7.6
21/08/2026	6.6	7	7	7.7	7.7	7.2	7.5	7	6.9	7
24/08/2026^[4]	7.3	7.4	7.6	8.2	7.7	7.7	7.9	7.3	7.4	7.4
26/08/2026	7	7.2	7	7.8	8	7.3	7.5	7	7.1	7.2
28/08/2026	6.9	7.1	7.3	8	7.6	7.5	N/A	7.1	7.2	7.1
31/08/2026	7.2	7.4	7.5	8.2	8.2	7.8	8.1	7.5	8	8.1
03/09/2026	7.4	7.6	8	8	7.9	7.9	7.8	7.5	7.5	7.6
04/09/2026	7.5	7.6	7.4	7.8	7.7	7.7	7.7	7.4	7.4	7.5
07/09/2026^[5]	7.2	7.5	7.3	7.8	7.8	7.8	7.9	7.1	7.5	7.6
09/09/2026	7.4	7.9	7.8	8	7.9	7.8	7.8	7.7	7.4	7.6
11/09/2026	7.3	7.4	7.7	8.1	8.1	8.1	7.8	7.5	7.5	8.3
14/09/2026	7.2	7.4	7.2	7.8	7.8	7.3	8.1	7.4	7.5	7.7
16/09/2026	7.3	7.7	7.4	7.7	7.8	7.7	7.9	7.5	7.4	7.6

18/09/2026	7.2	7.3	7.6	7.8	7.8	7.6	N/A	7.5	7.4	7.6
21/09/2026	7.3	7.4	7.3	7.8	NA	7.2	8.4	7.5	7.5	7.7
23/09/2026	7.4	7.3	7.4	8	SW	7.6	N/A	7.6	7.5	7.7
24/09/2026	7.3	7.3	7.4	7.9	SW	7.7	7.9	7.6	7.5	7.7
28/09/2026	7.3	7.3	7.6	7.9	SW	7.4	N/A	7.6	7.6	7.7
30/09/2026	7.3	7.2	7.9	8.1	NA	7.2	8	7.6	7.5	7.8
02/10/2026^6&7	7.3	7.1	7.2	7.9	7.8	7.3	7.6	7.2	7.6	7.6
05/10/2026	7	7.2	7.2	7.8	7.9	7.6	7.8	7.2	7.4	7.5
07/10/2026	7.2	7.3	7.4	7.8	7.9	7.6	7.8	7.4	7.4	7.4
09/10/2026	7.1	7.2	7.4	7.9	7.9	7.6	7.7	7.4	7.3	7.5
12/10/2026^8	7.1	7.2	7.2	7.9	7.9	7.5	7.8	7.3	7.3	7.6
14/10/2026	7.2	7.2	7.4	ZD	ZD	7.5	7.8	7.5	7.4	7.7

#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)
^[6]Rain event (47.4mm 02-10-2026)
^[7]Rain event (22mm 03-10-2026)
^[8]Discharge Ceased at 11:30am on 13/10/2026
ZD Zero discharge on this day
NA No access to sample point on this day
SW Stormwater

BOD (Biological Oxygen Demand) Results

Date	SP1: Romsey RWP_Deep Creek U/S - Shehan Rd Bridge	SP2: Romsey Upstream Tributary - Tickawarra Rd bridge	SP3: Stormwater Drain Upstream of Discharge Point	**SP4: Winter Storage 3 (Effluent)**	SP5: Discharge Point (Drain)	SP6: Stormwater Drain Downstream of Discharge Point	SP7: Romsey Downstream Tributary at the Junction	SP8: Deep Creek Downstream of Discharge Point	SP9: Deep Creek Downstream of Discharge Point - Joyces Road	SP10: Romsey RWP_Deep Creek Downstream - Chintin Road
CLASS B OBJECTIVE				**Less than 20 mg/L**						
16/07/2026[#]	<2	<2	<2	3	Not tested	Not tested	<2	<2	Not tested	Not tested
21/07/2026	<2	<2	4	<2	<2	4	<2	<2	<2	<2
22/07/2026	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
24/07/2026	<2	2	<2	3	<2	<2	<2	<2	<2	<2
27/07/2026	3	<2	<2	<2	5	4	<2	<2	<2	<2
29/07/2026	<2	<2	<2	3	<2	3	<2	<2	<2	<2
31/07/2026	<2	<2	<2	<2	3	4	<2	<2	<2	<2
03/08/2026	<2	2	2	4	3	3	<2	<2	<2	<2
05/08/2026	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
07/08/2026	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
10/08/2026[^1]	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
11/08/2026[^2]	4	4	<2	<2	<2	5	4	3	3	<2
12/08/2026	<2	<2	<2	<2	<2	<2	<2	<2	<2	7
14/08/2026	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
17/08/2026	<2	<2	3	<2	<2	<2	<2	<2	<2	3

19/08/2026^3	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
21/08/2026	<2	<2	<2	<2	<2	4	<2	<2	<2	3
24/08/2026^4	<2	<2	2	3	2	3	3	<2	2	<2
26/08/2026	2	<2	3	3	3	4	2	<2	2	2
28/08/2026	<2	<2	<2	<2	<2	<2	N/A	<2	<2	<2
31/08/2026	<2	<2	<2	2	<2	<2	<2	<2	<2	3
3/09/2026	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
04/09/2026	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
07/09/2026	<2	13	<2	6	<2	<2	2	<2	<2	<2
09/09/2026	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
11/09/2026	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
14/09/2026	<2	<2	3	3	3	5	3	<2	<2	<2
16/09/2026	<2	<2	4	5	5	5	<2	<2	<2	<2
18/09/2026	4	<2	<2	<2	<2	4	N/A	<2	<2	2
21/09/2026	2	<2	4	3	NA	4	<2	<2	<2	2
23/09/2026	5	<2	3	4	SW	3	N/A	<2	<2	<2
24/09/2026	<2	<2	<2	4	SW	2	<2	<2	<2	<2
28/09/2026	2	<2	6	6	SW	4	N/A	3	3	2
30/09/2026	<2	<2	<2	<2	NA	3	<2	<2	4	<2
02/10/2026^6 &7	<2	<2	<2	<2	<2	<2	3	<2	<2	<2
05/10/2026	3	4	5	3	<2	6	2	3	3	<2
07/10/2026	<2	<2	<2	4	<2	2	<2	3	<2	2
09/10/2026	4	3	3	3	5	6	4	3	3	3
12/10/2026^8	<2	<2	<2	<2	2	8	<2	<2	<2	<2
14/10/2026	*	*	*	ZD	*	*	*	*	*	*

#Baseline testing on 16-07-2026. No release to creek.
*Results pending. BOD testing takes 5 days
^1Rain event (31.4 mm)

^2Rain event (13.6 mm)
^3Rain event (4 mm)
^4Rain event (14.6 mm)
^5Rain event (12.8 mm)
^6Rain event (47.4mm 02-10-2026)
^7Rain event (22mm 03-10-2026)
^8Discharge Ceased at 11:30am on 13/10/2026
ZD Zero discharge on this day
NA No access to sample point on this day
SW Stormwater

E. Coli Results

Date	SP1: Romsey RWP_Deep Creek U/S - Shehan Rd Bridge	SP2: Romsey Upstream Tributary - Tickawarra Rd bridge	SP3: Stormwater Drain Upstream of Discharge Point	**SP4: Winter Storage 3 (Effluent)**	SP5: Discharge Point (Drain)	SP6: Stormwater Drain Downstream of Discharge Point	SP7: Romsey Downstream Tributary at the Junction	SP8: Deep Creek Downstream of Discharge Point	SP9: Deep Creek Downstream of Discharge Point - Joyces Road	SP10: Romsey RWP_Deep Creek Downstream - Chintin Road
CLASS B OBJECTIVE				**Less than 100 orgs/100mL**						
16/07/2026[#]	52	63	52	52	Not tested	170	63	74	Not tested	Not tested
21/07/2026	19	91	30	43	0	180	250	46	31	29
22/07/2026	23	180	12	50	1	28	31	30	43	11
24/07/2026	25	130	15	46	0	3	45	39	32	28
27/07/2026	23	2000	1300	100	2	460	51	56	28	96
29/07/2026	34	210	79	2400	7	22	85	>2400	28	55
31/07/2026	29	120	200	150	19	51	91	100	11	33

03/08/2026	28	170	98	27	0	0	330	23	20	66
05/08/2026	36	410	50	54	0	2	110	65	13	110
07/08/2026	23	150	49	33	0	2	41	15	22	43
10/08/2026^1	>2400	96	>2400	96	9	>2400	>2400	650	180	>2400
11/08/2026^2	>2400	>2400	>2400	110	66	>2400	>2400	>2400	2400	>2400
12/08/2026	2100	2100	2400	42	47	2200	1800	1500	2100	2500
14/08/2026	120	520	<10	65	1	200	190	160	190	330
17/08/2026	51	200	31	54	2	0	35	30	12	19
19/08/2026^3	24	>2400	770	120	0	71	64	50	54	23
21/08/2026	2100	1900	420	69	1	960	1700	2400	2400	1800
24/08/2026^4	60	170	43	47	0	11	110	47	37	39
26/08/2026	980	280	310	45	3	1100	330	580	580	280
28/08/2026	67	110	43	23	0	11	N/A	41	53	43
31/08/2026	21	96	35	7	0	3	65	23	10	30
03/09/2026	33	160	210	7	0	7	170	99	58	57
04/09/2026	26	190	150	17	0	11	41	41	43	66

07/09/2026[^5]	200	210	110	6	0	38	110	210	160	200
09/09/2026	69	240	110	10	0	9	130	99	63	150
11/09/2026	47	190	43	9	1	41	120	34	32	49
14/09/2026	21	100	230	18	0	190	120	71	31	22
16/09/2026	33	280	770	22	0	4	64	100	40	62
18/09/2026	1	250	120	20	0	26	N/A	83	23	79
21/09/2026	71	180	110	38	N/A	43	190	86	38	34
23/09/2026	31	110	11	13	SW	240	N/A	130	23	73
24/09/2026	20	170	58	27	SW	280	180	140	30	550
28/09/2026	50	250	170	30	SW	200	N/A	99	45	59
30/09/2026	79	290	55	54	N/A	50	580	46	36	68
02/10/2026[^6&7]	66	>2400	>2400	110	85	>2400	>2400	>2400	>2400	420
05/10/2026	730	1700	390	36	4	230	690	1000	920	1100
07/10/2026	89	490	150	64	0	47	1200	110	96	93
09/10/2026	35	240	36	73	0	11	86	59	33	83
12/10/2026[^8]	43	490	520	49	0	33	120	45	46	86

14/10/2026	77	240	200	ZD	ZD	130	180	130	100	78

#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)
^[6]Rain event (47.4mm 02-10-2026)
^[7]Rain event (22mm 03-10-2026)
^[8]Discharge Ceased at 11:30am on 13/10/2026
ZD Zero discharge on this day
NA No access to sample point on this day
SW Stormwater

Suspended Solids Results

Date	SP1: Romsey RWP_Deep Creek U/S - Shehan Rd Bridge	SP2: Romsey Upstream Tributary - Tickawarra Rd bridge	SP3: Stormwater Drain Upstream of Discharge Point	**SP4: Winter Storage 3 (Effluent)**	SP5: Discharge Point (Drain)	SP6: Stormwater Drain Downstream of Discharge Point	SP7: Romsey Downstream Tributary at the Junction	SP8: Deep Creek Downstream of Discharge Point	SP9: Deep Creek Downstream of Discharge Point - Joyces Road	SP10: Romsey RWP_Deep Creek Downstream - Chintin Road
CLASS B OBJECTIVE				**Less than 30 mg/L**						
16/07/2026#	4	<2	17	11	Not tested	Not tested	4	4	Not tested	Not tested
21/07/2026	<2	<2	69	14	12	16	<2	5	<2	<2
22/07/2026	<2	<2	48	11	11	17	2	3	<2	<2
24/7/2026	2	<2	5	11	10	10	2	<2	<2	3
27/07/2026	5	<2	2	8	11	10	2	4	<2	<2
29/07/2026	<2	<2	<2	12	7	8	5	4	<2	<2
31/07/2026	3	<2	12	10	10	11	5	7	<2	<2
03/08/2026	<2	<2	6	7	9	9	2	6	<2	<2
05/08/2026	3	2	4	10	8	31	<2	8	<2	<2
07/08/2026	<2	<2	3	7	9	4	<2	11	<2	<2
10/08/2026^1	4	47	29	8	10	37	49	<2	2	24
11/08/2026^2	12	13	23	8	5	25	33	16	13	51
12/08/2026	14	6	18	12	14	18	6	10	8	15
14/08/2026	4	4	14	3	7	12	10	4	6	8
17/08/2026	8	<2	<2	2	4	4	<2	<2	<2	<2
19/08/2026^3	3	22	12	5	8	<2	2	<2	<2	<2

21/08/2026	9	5	10	8	7	13	13	5	9	13
24/08/2026^4	4	<2	<2	6	4	4	6	<2	<2	4
26/08/2026	4	2	12	3	3	9	5	4	8	5
28/08/2026	<2	2	15	6	<2	6	N/A	2	2	6
31/08/2026	<2	<2	<2	4	<2	8	<2	<2	<2	<2
3/09/2026	<2	4	6	6	4	6	<2	<2	<2	<2
4/09/2026	<2	3	<2	7	3	6	<2	<2	<2	<2
7/09/2026^5	<2	<2	<2	15	4	6	2	<2	<2	<2
9/09/2026	<2	3	10	5	4	2	<2	11	<2	<2
11/09/2026	<2	<2	<2	2	2	4	<2	<2	<2	<2
14/09/2026	<2	<2	70	<2	3	10	<2	<2	<2	<2
16/09/2026	<2	6	100	2	3	6	<2	20	<2	4
18/09/2026	24	<2	16	6	18	8	N/A	<2	<2	<2
21/09/2026	<2	<2	13	5	N/A	16	2	<2	<2	<2
23/09/2026	<2	<2	12	6	SW	12	N/A	<2	7	<2
24/09/2026	<2	8	6	5	SW	14	8	<2	<2	<2
28/09/2026	2	<2	110	<2	SW	9	N/A	8	2	2
30/09/2026	<2	2	7	8	N/A	13	<2	<2	<2	<2
02/10/2026^6&7	<2	20	33	5	7	60	44	11	12	<2
05/10/2026	<2	<2	11	5	6	9	5	3	<2	<2
07/10/2026	<2	<2	2	4	4	4	<2	<2	<2	<2
09/10/2026	4	<2	<2	2	<2	3	2	<2	<2	<2
12/10/2026^8	<2	<2	2	9	8	8	10	2	<2	2
14/10/2026	<2	6	2	ZD	ZD	8	<2	<2	<2	<2

#Baseline testing on 16-07-2026. No release to creek.
^1Rain event (31.4 mm)
^2Rain event (13.6 mm)

^3Rain event (4 mm)
^4Rain event (14.6 mm)
^5Rain event (12.8 mm)
^6Rain event (47.4mm 02-10-2026)
^7Rain event (22mm 03-10-2026)
^8Discharge Ceased at 11:30am on 13/10/2026
*Results pending.
ZD Zero discharge on this day
NA No access to sample point on this day
SW Stormwater

Helminth Results

Date	SP1: Romsey RWP_Deep Creek U/S - Shehan Rd Bridge	SP2: Romsey Upstream Tributary - Tickawarra Rd bridge	SP3: Stormwater Drain Upstream of Discharge Point	**SP4: Winter Storage 3 (Effluent)**	SP5: Discharge Point (Drain)	SP6: Stormwater Drain Downstream of Discharge Point	SP7: Romsey Downstream Tributary at the Junction	SP8: Deep Creek Downstream of Discharge Point	SP9: Deep Creek Downstream of Discharge Point - Joyces Road
GWW TARGET				**Less than detection limit^3**					
31/07/2026	Not tested	Not tested	Not tested	<0.1	<0.1	Not tested	Not tested	Not tested	Not tested
11/08/2026^2	Not tested	Not tested	Not tested	<0.1	<0.1	Not tested	Not tested	Not tested	Not tested

^2Rain event (13.6 mm)

^3GWW 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). Source: betterhealth.vic.gov.au
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 *Livestock Disease Control Act 1994* 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 Cysticercus bovis) caused by the helminth Taenia saginata, a human tapeworm in cattle which can impact meat quality. Source: epa.vic.gov.au

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. Source: epa.vic.gov.au
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.