

Kyneton Water Reclamation Plant

Waterway health data



February 2025 update – During February 2025, no flow was recorded in the Campaspe River at the Kyneton gauging station. In addition, there was no treated water released from the Kyneton WRP to the Campaspe River during February 2025. Low or no flow conditions also mean that there is insufficient water in the river for the instream water quality testing units to record accurate results. Therefore, there is no water quality update for February 2025. The next monthly water quality update will occur when there has been sufficient flow in the river to record accurate results.

Quality of river water – January 2025

Blue background results are below detection limit for the parameters.

Results are displayed at half the detection limit (i.e. a result below a detection limit of <0.1 mg/L is shown as 0.05 mg/L)

Site	Sample date	Ammonia-Nitrogen mg N/L	BOD mg/L	Chlorophyll A µg/L	COD mg/L	Dissolved Oxygen mg/L	E. Coli Orgs/100ml	Electrical Conductivity µs/cm	Nitrate-Nitrogen mg N/L	pH Units	Phosphate mg P/L	Site Temp C	Suspended Solids mg/L	TDS mg/L	Total Nitrogen mg/L	Total Phosphorus mg P/L
Campaspe River 750m upstream of release point	09/01/25	0.05	-	52	-	8.2	180	660	0.005	8	0.005	20.1	25	-	1.2	0.09
Campaspe River 50m upstream of release point	09/01/25	0.05	5	22	33	2.1	1400	570	0.005	7.4	0.005	17.3	9	-	0.9	0.025
Campaspe River 50m downstream of release point	09/01/25	0.05	2	21	41	2	1700	580	0.005	7.3	0.005	16.9	53	-	1.7	0.19
Campaspe River 850m downstream of release point	09/01/25	0.05	-	8.6	-	1.9	2400	660	0.01	7.2	0.005	16.8	13	-	1.4	0.17
Campaspe River 2.5km downstream of release point	09/01/25	No sample was able to be collected because the river was too dry and too shallow to sample.														
Campaspe River 3km downstream of release point	09/01/25	0.05	-	40	-	8.3	46	560	0.005	7.9	0.005	19.9	17	-	1.1	0.025
Campaspe River 11.5km downstream of release point	09/01/25	No sample collected due to a site safety issue that affected access.														

Note: Sample frequency for January has decreased to once per month as we are not currently releasing water to the Campaspe River from the Kyneton Water Reclamation Plant.

Quality of river water – December 2024

Blue background results are below detection limit for the parameters.
Results are displayed at half the detection limit (i.e. a result below a detection limit of <0.1 mg/L is shown as 0.05 mg/L)

Site	Sample date	Ammonia-Nitrogen mg N/L	BOD mg/L	Chlorophyll A µg/L	COD mg/L	Dissolved Oxygen mg/L	E. Coli Orgs/100ml	Electrical Conductivity µs/cm	Nitrate-Nitrogen mg N/L	pH Units	Phosphate mg P/L	Site Temp C	Suspended Solids mg/L	TDS mg/L	Total Nitrogen mg/L	Total Phosphorus mg P/L
Campaspe River 750m upstream of release point	04/12/24	0.05	-	5.3	-	6.2	920	320	0.1	7.5	0.005	17.6	13	-	0.8	0.12
Campaspe River 50m upstream of release point	04/12/24	0.05	2	9.3	15	5.1	550	340	0.07	7.5	0.005	19.0	7	-	0.8	0.1
Campaspe River 50m downstream of release point	04/12/24	0.05	3	9.1	22	5.1	390	350	0.07	7.5	0.005	18.7	9	-	0.8	0.13
Campaspe River 850m downstream of release point	04/12/24	0.05	-	11	-	5	650	390	0.03	7.5	0.005	19.4	1	-	0.8	0.17
Campaspe River 2.5km downstream of release point	04/12/24	0.05	-	12	-	8.1	300	410	0.005	7.8	0.005	19.9	1	-	0.7	0.13
Campaspe River 3km downstream of release point	04/12/24	0.05	-	12	-	8.1	370	410	0.005	7.8	0.005	20	2	-	0.8	0.12
Campaspe River 11.5km downstream of release point	04/12/24	No sample collected due to a site safety issue that affected access.														

Note: Sample frequency for December has decreased to once per month as we are not currently releasing water to the Campaspe River from the Kyneton Water Reclamation Plant.

Kyneton Water Reclamation Plant

Waterway health data



Quality of river water – November 2024

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Site	Sample date	Ammonia-Nitrogen mg N/L	BOD mg/L	Chlorophyll A µg/L	COD mg/L	Dissolved Oxygen mg/L	E. Coli Orgs/100ml	Electrical Conductivity µs/cm	Nitrate-Nitrogen mg N/L	pH Units	Phosphate mg P/L	Site Temp C	Suspended Solids mg/L	TDS mg/L	Total Nitrogen mg/L	Total Phosphorus mg P/L
Campaspe River 750m upstream of release point	07/11/24	0.05	-	11	-	7.2	100	470	0.005	7.7	0.005	16.2	21	-	0.7	0.1
Campaspe River 50m upstream of release point	07/11/24	0.05	3	4.4	25	2.8	46	470	0.04	7.6	0.01	16.1	6	-	0.8	0.09
Campaspe River 50m downstream of release point	07/11/24	0.05	3	25	30	3.1	50	470	0.03	7.6	0.02	15.8	2	-	0.4	0.08
Campaspe River 850m downstream of release point	07/11/24	0.05	-	6.6	-	4	370	470	0.005	7.6	0.02	14.6	1	-	0.8	0.18
Campaspe River 2.5km downstream of release point	07/11/24	0.05	-	3.6	-	5.1	49	470	0.005	7.6	0.02	14.8	1	-	0.6	0.07
Campaspe River 3km downstream of release point	07/11/24	0.05	-	1.5	-	6.9	51	460	0.005	7.8	0.01	15.3	1	-	0.6	0.07
Campaspe River 11.5km downstream of release point	07/11/24	0.05	-	13	-	7.1	41	460	0.005	7.9	0.005	16	1	-	0.8	0.025

Note: Sample frequency for November has decreased to once per month as we are not currently releasing water to the Campaspe River from the Kyneton Water Reclamation Plant.

Kyneton Water Reclamation Plant

Waterway health data



Quality of river water – October 2024

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Site	Sample date	Ammonia-Nitrogen mg N/L	BOD mg/L	Chlorophyll A µg/L	COD mg/L	Dissolved Oxygen mg/L	E. Coli Orgs/100ml	Electrical Conductivity µs/cm	Nitrate-Nitrogen mg N/L	pH Units	Phosphate mg P/L	Site Temp C	Suspended Solids mg/L	TDS mg/L	Total Nitrogen mg/L	Total Phosphorus mg P/L
Campaspe River 750m upstream of release point	03/10/24	0.05	1	5.9	30	8.9	88	480	0.005	7.8	0.005	14.8	5	300	0.6	0.08
	10/10/24	0.05	1	6	29	8.8	36	470	0.005	7.7	0.005	13.9	8	310	0.6	0.13
	17/10/24	0.05	1	8.8	20	7.4	260	480	0.3	7.6	0.005	16.2	5	300	0.9	0.025
	24/10/24	0.05	1	10	28	7.7	100	430	0.005	7.6	0.005	15.5	2	250	0.8	0.1
	31/10/24	0.05	1	9.4	23	8.2	46	440	0.005	7.6	0.005	17.4	10	260	0.5	0.07
Site	Sample date	Ammonia-Nitrogen mg N/L	BOD mg/L	Chlorophyll A µg/L	COD mg/L	Dissolved Oxygen mg/L	E. Coli Orgs/100ml	Electrical Conductivity µs/cm	Nitrate-Nitrogen mg N/L	pH Units	Phosphate mg P/L	Site Temp C	Suspended Solids mg/L	TDS mg/L	Total Nitrogen mg/L	Total Phosphorus mg P/L
Campaspe River 50m upstream of release point	03/10/24	0.05	1	3.1	29	8.7	84	490	0.005	8	0.005	13.0	1	290	0.6	0.08
	10/10/24	0.05	1	2.6	27	8.7	74	470	0.005	7.7	0.005	12.4	4	280	0.7	0.12
	17/10/24	0.05	1	3.9	22	6.2	86	490	0.02	7.6	0.005	16.2	2	300	0.4	0.025
	24/10/24	0.05	2	5.1	33	6.7	53	420	0.02	7.4	0.005	15.2	1	230	0.8	0.11
	31/10/24	0.05	2	3.3	29	5.1	39	440	0.02	7.4	0.01	16.6	1	250	0.5	0.18
Site	Sample date	Ammonia-Nitrogen mg N/L	BOD1 mg/L	Chlorophyll A µg/L	COD mg/L	Dissolved Oxygen mg/L	E. Coli Orgs/100ml	Electrical Conductivity µs/cm	Nitrate-Nitrogen mg N/L	pH Units	Phosphate mg P/L	Site Temp C	Suspended Solids mg/L	TDS mg/L	Total Nitrogen mg/L	Total Phosphorus mg P/L
Campaspe River 50m downstream of release point	03/10/24	0.05	1	3.6	26	8.4	48	490	0.01	8	0.005	13.1	3	260	0.6	0.07
	10/10/24	0.05	1	2.6	28	8.5	74	480	0.005	7.7	0.005	13.1	3	300	0.6	0.12
	17/10/24	0.05	1	3.3	22	5.7	26	490	0.08	7.6	0.005	16.0	1	310	0.5	0.025
	24/10/24	0.05	1	3.9	31	6.7	37	440	0.005	7.6	0.005	15.5	1	250	0.7	0.09
	31/10/24	0.05	1	2.7	30	4.3	22	450	0.08	7.4	0.01	17.5	1	280	0.5	0.11

Quality of river water – October 2024 continued

Site	Sample date	Ammonia-Nitrogen mg N/L	BOD1 mg/L	Chlorophyll A µg/L	COD mg/L	Dissolved Oxygen mg/L	E. Coli Orgs/100ml	Electrical Conductivity µs/cm	Nitrate-Nitrogen mg N/L	pH Units	Phosphate mg P/L	Site Temp C	Suspended Solids mg/L	TDS mg/L	Total Nitrogen mg/L	Total Phosphorus mg P/L
Campaspe River 850m downstream of release point	03/10/24	0.05	1	4.3	26	7.3	120	490	0.005	7.8	0.005	12.6	2	320	0.6	0.06
	10/10/24	0.05	1	4.6	25	7.4	210	490	0.005	7.7	0.005	11.8	1	320	0.6	0.12
	17/10/24	0.05	1	4.6	22	4.8	250	490	0.1	7.6	0.005	15.5	1	310	0.8	0.025
	24/10/24	0.05	2	3.3	29	5.4	290	440	0.02	7.5	0.005	15	1	210	0.8	0.22
	31/10/24	0.05	1	2.7	23	3.8	410	440	0.03	7.4	0.02	14.6	1	280	0.4	0.18
Site	Sample date	Ammonia-Nitrogen mg N/L	BOD1 mg/L	Chlorophyll A µg/L	COD mg/L	Dissolved Oxygen mg/L	E. Coli Orgs/100ml	Electrical Conductivity µs/cm	Nitrate-Nitrogen mg N/L	pH Units	Phosphate mg P/L	Site Temp C	Suspended Solids mg/L	TDS mg/L	Total Nitrogen mg/L	Total Phosphorus mg P/L
Campaspe River 2.5km downstream of release point	03/10/24	0.05	1	2.6	23	8.6	48	480	0.005	8.1	0.005	12.5	1	310	0.5	0.1
	10/10/24	0.05	1	2.5	35	8.4	69	500	0.03	7.8	0.005	11.4	1	300	0.5	0.11
	17/10/24	0.05	1	2	19	5.8	61	490	0.06	7.7	0.005	15.0	1	300	0.6	0.025
	24/10/24	0.05	1	11	34	6.6	100	420	0.03	7.6	0.005	14.0	9	280	1.1	0.23
	31/10/24	0.05	1	2.7	28	5.9	150	440	0.005	7.5	0.02	13.6	1	240	0.6	0.17
Site	Sample date	Ammonia-Nitrogen mg N/L	BOD1 mg/L	Chlorophyll A µg/L	COD mg/L	Dissolved Oxygen mg/L	E. Coli Orgs/100ml	Electrical Conductivity µs/cm	Nitrate-Nitrogen mg N/L	pH Units	Phosphate mg P/L	Site Temp C	Suspended Solids mg/L	TDS mg/L	Total Nitrogen mg/L	Total Phosphorus mg P/L
Campaspe River 3km downstream of release point	03/10/24	0.05	1	2	23	8.5	35	470	0.005	7.9	0.005	12.3	1	310	0.5	0.08
	10/10/24	0.05	1	2.6	25	8.4	41	490	0.03	7.8	0.005	11.2	1	230	0.5	0.09
	17/10/24	0.05	3	1.8	18	6.2	100	490	0.01	7.7	0.005	15	1	310	0.4	0.07
	24/10/24	0.05	1	2.8	27	6.5	130	440	0.05	7.6	0.005	13.7	1	230	0.8	0.11
	31/10/24	0.05	3	2.7	21	6	40	440	0.005	7.5	0.02	13.7	2	280	0.8	0.15
Site	Sample date	Ammonia-Nitrogen mg N/L	BOD1 mg/L	Chlorophyll A µg/L	COD mg/L	Dissolved Oxygen mg/L	E. Coli Orgs/100ml	Electrical Conductivity µs/cm	Nitrate-Nitrogen mg N/L	pH Units	Phosphate mg P/L	Site Temp C	Suspended Solids mg/L	TDS mg/L	Total Nitrogen mg/L	Total Phosphorus mg P/L
Campaspe River 11.5km downstream of release point	03/10/24	0.05	1	2.2	28	9	130	540	0.005	8.2	0.005	13.4	4	310	0.5	0.07
	10/10/24	0.05	1	2.1	27	9.3	230	510	0.01	8	0.005	12.7	3	260	0.6	0.16
	17/10/24	0.05	1	4.1	13	7.0	110	500	0.03	7.9	0.005	16.7	3	300	0.6	0.025
	24/10/24	0.05	1	4.6	23	8.1	150	440	0.005	7.8	0.005	15.8	1	220	0.8	0.14
	31/10/24	0.05	1	8.9	23	7.4	140	460	0.1	7.8	0.01	16	3	320	0.8	0.11

Kyneton Water Reclamation Plant

Waterway health data



Quality of river water – September 2024

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Site	Sample date	Ammonia-Nitrogen mg N/L	BOD mg/L	Chlorophyll A µg/L	COD mg/L	Dissolved Oxygen mg/L	E. Coli Orgs/100ml	Electrical Conductivity µs/cm	Nitrate-Nitrogen mg N/L	pH Units	Phosphate mg P/L	Site Temp C	Suspended Solids mg/L	TDS mg/L	Total Nitrogen mg/L	Total Phosphorus mg P/L
Campaspe River 750m upstream of release point	05/09/24	0.05	-	4.1	-	9.4	39	440	0.06	7.6	0.005	12.1	10	-	0.8	0.06
	12/09/24	0.05	3	5.1	36	9.7	91	460	0.03	7.9	0.005	12.00	3	210	0.6	0.06
	19/09/24	0.05	2	6.0	29	9.5	64	480	0.005	7.6	0.005	8.8	7	290	0.7	0.07
	26/09/24	0.05	1	4.7	26	8.7	48	500	0.02	7.6	0.005	14.6	3	260	0.7	0.08

Site	Sample date	Ammonia-Nitrogen mg N/L	BOD mg/L	Chlorophyll A µg/L	COD mg/L	Dissolved Oxygen mg/L	E. Coli Orgs/100ml	Electrical Conductivity µs/cm	Nitrate-Nitrogen mg N/L	pH Units	Phosphate mg P/L	Site Temp C	Suspended Solids mg/L	TDS mg/L	Total Nitrogen mg/L	Total Phosphorus mg P/L
Campaspe River 50m upstream of release point	05/09/24	0.05	1	2.5	36	9.5	43	450	0.05	7.6	0.005	11.2	6	-	0.7	0.1
	12/09/24	0.05	1	3.1	35	9.0	62	460	0.03	7.8	0.005	10.6	5	290	0.6	0.06
	19/09/24	0.05	1	4.5	31	9.1	63	480	0.005	7.6	0.005	8.8	1	280	0.5	0.13
	26/09/24	0.05	1	3.3	27	8.4	52	520	0.02	7.7	0.005	14.5	1	290	0.6	0.1

Site	Sample date	Ammonia-Nitrogen mg N/L	BOD1 mg/L	Chlorophyll A µg/L	COD mg/L	Dissolved Oxygen mg/L	E. Coli Orgs/100ml	Electrical Conductivity µs/cm	Nitrate-Nitrogen mg N/L	pH Units	Phosphate mg P/L	Site Temp C	Suspended Solids mg/L	TDS mg/L	Total Nitrogen mg/L	Total Phosphorus mg P/L
Campaspe River 50m downstream of release point	05/09/24	0.05	2	36	30	9.4	160	450	0.04	7.6	0.005	10.9	4	-	0.8	0.025
	12/09/24	0.05	1	3.3	49	8.7	260	480	0.04	9.3	0.005	10.5	3	300	0.5	0.06
	19/09/24	0.05	2	4.1	31	9.1	50	480	0.005	7.6	0.005	8	1	280	0.7	0.09
	26/09/24	0.05	1	4.1	31	8.6	51	520	0.02	7.6	0.005	13	5	260	0.7	0.09

Quality of river water – September 2024 continued

Site	Sample date	Ammonia-Nitrogen mg N/L	BOD1 mg/L	Chlorophyll A µg/L	COD mg/L	Dissolved Oxygen mg/L	E. Coli Orgs/100ml	Electrical Conductivity µs/cm	Nitrate-Nitrogen mg N/L	pH Units	Phosphate mg P/L	Site Temp C	Suspended Solids mg/L	TDS mg/L	Total Nitrogen mg/L	Total Phosphorus mg P/L
Campaspe River 850m downstream of release point	05/09/24	0.05	-	2.3	-	8.1	34	460	0.06	7.6	0.005	10.6	1	-	0.7	0.06
	12/09/24	0.05	1	2.9	33	7.6	130	460	0.03	7.8	0.005	10	4	250	0.6	0.07
	19/09/24	0.05	1	4.1	32	8.1	410	480	0.005	7.6	0.005	8.5	1	280	0.8	0.07
	26/09/24	0.05	1	2.5	28	7.6	93	550	0.06	7.7	0.005	13.1	1	340	0.8	0.08
Site	Sample date	Ammonia-Nitrogen mg N/L	BOD1 mg/L	Chlorophyll A µg/L	COD mg/L	Dissolved Oxygen mg/L	E. Coli Orgs/100ml	Electrical Conductivity µs/cm	Nitrate-Nitrogen mg N/L	pH Units	Phosphate mg P/L	Site Temp C	Suspended Solids mg/L	TDS mg/L	Total Nitrogen mg/L	Total Phosphorus mg P/L
Campaspe River 2.5km downstream of release point	05/09/24	0.05	-	3.7	-	9.2	23	460	0.005	7.7	0.005	10.3	1	-	0.7	0.025
	12/09/24	0.05	1	2.3	34	9.9	12	460	0.03	8	0.005	9.1	1	260	0.5	0.025
	19/09/24	0.05	2	2.7	29	9.1	16	480	0.005	7.8	0.005	8.9	1	280	0.6	0.14
	26/09/24	0.05	1	2	29	9.5	73	530	0.1	7.9	0.04	13.7	1	320	0.7	0.025
Site	Sample date	Ammonia-Nitrogen mg N/L	BOD1 mg/L	Chlorophyll A µg/L	COD mg/L	Dissolved Oxygen mg/L	E. Coli Orgs/100ml	Electrical Conductivity µs/cm	Nitrate-Nitrogen mg N/L	pH Units	Phosphate mg P/L	Site Temp C	Suspended Solids mg/L	TDS mg/L	Total Nitrogen mg/L	Total Phosphorus mg P/L
Campaspe River 3km downstream of release point	05/09/24	0.05	-	3.5	-	9.1	24	470	0.005	7.7	0.01	10.3	1	-	0.7	0.07
	12/09/24	0.05	1	2.9	33	9.2	36	460	0.02	7.9	0.005	9.6	1	240	0.5	0.06
	19/09/24	0.05	1	2.4	27	9.1	0	490	0.005	7.8	0.005	8.9	1	300	0.7	0.1
	26/09/24	0.05	1	2.3	27	9.3	410	530	0.04	7.8	0.005	13.7	13	320	0.6	0.1
Site	Sample date	Ammonia-Nitrogen mg N/L	BOD1 mg/L	Chlorophyll A µg/L	COD mg/L	Dissolved Oxygen mg/L	E. Coli Orgs/100ml	Electrical Conductivity µs/cm	Nitrate-Nitrogen mg N/L	pH Units	Phosphate mg P/L	Site Temp C	Suspended Solids mg/L	TDS mg/L	Total Nitrogen mg/L	Total Phosphorus mg P/L
Campaspe River 11.5km downstream of release point	05/09/24	0.05	-	1.9	-	9.9	330	470	0.16	7.9	0.005	11.0	1	-	1.0	0.06
	12/09/24	0.05	1	1.8	33	9.5	140	490	0.03	8.0	0.005	10.50	1	260	0.6	0.06
	19/09/24	0.05	1	2.1	34	9.5	70	500	0.005	7.9	0.005	8.7	1	290	0.7	0.1
	26/09/24	0.05	1	2.2	23	9.2	70	530	0.06	7.9	0.06	13.8	1	340	0.7	0.08

Kyneton Water Reclamation Plant

Waterway health data



Quality of river water – August 2024

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Site	Sample date	Ammonia-Nitrogen mg N/L	BOD mg/L	Chlorophyll A µg/L	COD mg/L	Dissolved Oxygen mg/L	E. Coli Orgs/100ml	Electrical Conductivity µs/cm	Nitrate-Nitrogen mg N/L	pH Units	Phosphate mg P/L	Site Temp C	Suspended Solids mg/L	TDS mg/L	Total Nitrogen mg/L	Total Phosphorus mg P/L
Campaspe River 750m upstream of release point	01/08/24	0.05	1	2.5	31	11.8	67	410	0.12	7.5	0.005	8.6	1	210	0.8	0.025
	08/08/24	0.05	1	2.6	30	10.5	23	460	0.04	7.8	0.01	6.9	1	270	0.6	0.13
	15/08/24	0.05	1	6.3	31	9.9	20	500	0.01	7.6	0.005	12.9	1	280	0.7	0.06
	22/08/24	0.05	3	8.1	34	9	170	470	0.17	7.4	0.005	9.9	14	280	0.6	0.1
	29/08/24	0.05	1	4.5	37	9.2	50	430	0.09	7.5	0.005	10.2	8	240	0.8	0.025
Site	Sample date	Ammonia-Nitrogen mg N/L	BOD mg/L	Chlorophyll A µg/L	COD mg/L	Dissolved Oxygen mg/L	E. Coli Orgs/100ml	Electrical Conductivity µs/cm	Nitrate-Nitrogen mg N/L	pH Units	Phosphate mg P/L	Site Temp C	Suspended Solids mg/L	TDS mg/L	Total Nitrogen mg/L	Total Phosphorus mg P/L
Campaspe River 50m upstream of release point	01/08/24	0.05	1	2.3	32	10.8	29	400	0.12	7.5	0.005	6.5	1	190	0.8	0.11
	08/08/24	0.05	1	1.4	28	9.9	16	460	0.04	7.8	0.01	6.5	1	270	0.6	0.12
	15/08/24	0.05	1	2.6	26	8.8	21	510	0.05	7.6	0.005	10.2	1	300	0.8	0.06
	22/08/24	0.05	1	5.7	35	9.1	260	460	0.16	7.4	0.005	7.9	9	280	0.9	0.07
	29/08/24	0.05	1	3.8	39	9.1	38	430	0.1	7.5	0.005	10.1	10	260	1.1	0.45
Site	Sample date	Ammonia-Nitrogen mg N/L	BOD1 mg/L	Chlorophyll A µg/L	COD mg/L	Dissolved Oxygen mg/L	E. Coli Orgs/100ml	Electrical Conductivity µs/cm	Nitrate-Nitrogen mg N/L	pH Units	Phosphate mg P/L	Site Temp C	Suspended Solids mg/L	TDS mg/L	Total Nitrogen mg/L	Total Phosphorus mg P/L
Campaspe River 50m downstream of release point	01/08/24	0.05	1	11	28	10.4	52	410	0.35	7.5	0.005	5.8	6	220	1.2	0.07
	08/08/24	0.05	1	7	37	9.7	13	460	0.02	7.8	0.01	6.5	40	270	0.8	0.14
	15/08/24	0.05	3	250	43	8.2	22	510	0.02	7.5	0.005	10.3	17	300	1.4	0.15
	22/08/24	0.05	2	9.7	37	9.1	270	460	0.42	7.5	0.005	8.3	11	320	1.3	0.025
	29/08/24	0.05	2	8.5	35	8.9	52	440	0.27	7.5	0.005	9.8	10	260	1.1	0.1

Quality of river water – August 2024 continued

Site	Sample date	Ammonia-Nitrogen mg N/L	BOD1 mg/L	Chlorophyll A µg/L	COD mg/L	Dissolved Oxygen mg/L	E. Coli Orgs/100ml	Electrical Conductivity µs/cm	Nitrate-Nitrogen mg N/L	pH Units	Phosphate mg P/L	Site Temp C	Suspended Solids mg/L	TDS mg/L	Total Nitrogen mg/L	Total Phosphorus mg P/L
Campaspe River 850m downstream of release point	01/08/24	0.05	1	1.9	33	9.6	10	410	0.35	7.5	0.005	4.6	1	230	1	0.06
	08/08/24	0.05	1	2.9	27	8.9	70	450	0.01	7.9	0.01	6.7	1	270	0.5	0.14
	15/08/24	0.05	1	3.3	30	8.1	30	520	0.04	7.6	0.005	10	1	280	0.5	0.05
	22/08/24	0.05	4	13	36	8.6	220	420	0.34	7.5	0.005	8	14	250	1	0.06
	29/08/24	0.05	1	3.6	37	8.4	150	430	0.16	7.5	0.005	9.7	6	230	1	0.1
Site	Sample date	Ammonia-Nitrogen mg N/L	BOD1 mg/L	Chlorophyll A µg/L	COD mg/L	Dissolved Oxygen mg/L	E. Coli Orgs/100ml	Electrical Conductivity µs/cm	Nitrate-Nitrogen mg N/L	pH Units	Phosphate mg P/L	Site Temp C	Suspended Solids mg/L	TDS mg/L	Total Nitrogen mg/L	Total Phosphorus mg P/L
Campaspe River 2.5km downstream of release point	01/08/24	0.05	1	2.9	29	10.6	0	400	0.3	7.6	0.005	6.3	1	230	0.9	0.08
	08/08/24	0.05	1	1.5	29	9.6	50	460	0.04	7.8	0.01	8.8	1	270	0.5	0.11
	15/08/24	0.05	1	2.6	30	9.1	40	510	0.005	7.8	0.005	10.2	1	260	0.6	0.025
	22/08/24	0.05	3	15	36	8.8	410	410	0.4	7.6	0.005	8.5	14	270	1.3	0.025
	29/08/24	0.05	1	5.9	40	9.2	41	430	0.25	7.6	0.005	10.4	5	240	0.9	0.08
Site	Sample date	Ammonia-Nitrogen mg N/L	BOD1 mg/L	Chlorophyll A µg/L	COD mg/L	Dissolved Oxygen mg/L	E. Coli Orgs/100ml	Electrical Conductivity µs/cm	Nitrate-Nitrogen mg N/L	pH Units	Phosphate mg P/L	Site Temp C	Suspended Solids mg/L	TDS mg/L	Total Nitrogen mg/L	Total Phosphorus mg P/L
Campaspe River 3km downstream of release point	01/08/24	0.05	1	3.2	24	10.5	10	400	0.25	7.6	0.005	5.9	1	240	0.9	0.025
	08/08/24	0.05	1	2.9	24	10.1	41	460	0.005	7.9	0.01	6.5	1	220	0.6	0.1
	15/08/24	0.05	1	2.6	31	8.9	28	510	0.005	7.6	0.005	10.2	1	320	0.6	0.09
	22/08/24	0.05	4	13	35	9.1	410	410	0.37	7.6	0.005	8.1	13	260	1.2	0.025
	29/08/24	0.05	1	7.7	37	9.2	52	430	0.19	7.6	0.005	10.7	4	260	1	0.05
Site	Sample date	Ammonia-Nitrogen mg N/L	BOD1 mg/L	Chlorophyll A µg/L	COD mg/L	Dissolved Oxygen mg/L	E. Coli Orgs/100ml	Electrical Conductivity µs/cm	Nitrate-Nitrogen mg N/L	pH Units	Phosphate mg P/L	Site Temp C	Suspended Solids mg/L	TDS mg/L	Total Nitrogen mg/L	Total Phosphorus mg P/L
Campaspe River 11.5km downstream of release point	01/08/24	0.05	1	1.8	31	11.1	31	400	0.17	7.8	0.005	6.2	1	200	0.9	0.06
	08/08/24	0.05	1	1.2	23	10.7	69	480	0.1	8	0.01	6.8	1	200	0.6	0.13
	15/08/24	0.05	1	1.4	29	9.6	63	500	0.02	7.9	0.005	11.4	1	300	0.6	0.025
	22/08/24	0.05	3	5.1	38	9.5	200	460	0.22	7.7	0.005	9.2	15	290	1.2	0.025
	29/08/24	0.05	3	4.2	36	9.8	160	450	0.17	7.8	0.005	10.8	10	280	1.1	0.11

Kyneton Water Reclamation Plant

Waterway health data



Quality of river water – July 2024

Blue background results are below detection limit for the parameters.

Site	Sample date	Ammonia-Nitrogen mg N/L	BOD mg/L	Chlorophyll A µg/L	COD mg/L	Dissolved Oxygen mg/L	E. Coli Orgs/100ml	Electrical Conductivity µs/cm	Nitrate-Nitrogen mg N/L	pH Units	Phosphate mg P/L	Site Temp C	Suspended Solids mg/L	TDS mg/L	Total Nitrogen mg/L	Total Phosphorus mg P/L
Campaspe River 750m upstream of release point	04/07/24	0.05	1	1.6	7	10.2	29	580	0.05	7.8	0.005	10.1	1	340	0.5	0.025
	11/07/24	0.05	1	4.1	30	10.5	50	570	0.02	7.6	0.005	7.4	1	310	0.05	0.025
	18/07/24	0.05	1	30	26	10.5	31	500	0.02	7.6	0.005	8.4	8	260	0.6	0.14
	25/07/24	0.05	1	3.4	35	9.7	46	380	0.12	7.4	0.005	8.1	8	260	0.8	0.025

Site	Sample date	Ammonia-Nitrogen mg N/L	BOD mg/L	Chlorophyll A µg/L	COD mg/L	Dissolved Oxygen mg/L	E. Coli Orgs/100ml	Electrical Conductivity µs/cm	Nitrate-Nitrogen mg N/L	pH Units	Phosphate mg P/L	Site Temp C	Suspended Solids mg/L	TDS mg/L	Total Nitrogen mg/L	Total Phosphorus mg P/L
Campaspe River 50m upstream of release point	04/07/24	0.05	1	0.6	21	10.6	19	570	0.03	7.8	0.005	5	1	310	0.4	0.025
	11/07/24	0.05	1	1.2	29	9	47	560	0.02	7.6	0.005	7	1	260	0.05	0.025
	18/07/24	0.05	1	18	25	10.6	39	520	0.03	7.6	0.005	6.6	6	280	0.6	0.06
	25/07/24	0.05	1	2.4	23	8.7	37	390	0.14	7.4	0.005	10	7	220	0.8	0.08

Site	Sample date	Ammonia-Nitrogen mg N/L	BOD1 mg/L	Chlorophyll A µg/L	COD mg/L	Dissolved Oxygen mg/L	E. Coli Orgs/100ml	Electrical Conductivity µs/cm	Nitrate-Nitrogen mg N/L	pH Units	Phosphate mg P/L	Site Temp C	Suspended Solids mg/L	TDS mg/L	Total Nitrogen mg/L	Total Phosphorus mg P/L
Campaspe River 50m downstream of release point	04/07/24	0.05	1	4.4	24	10.2	41	570	0.43	7.7	0.005	5.1	5	330	0.9	0.06
	11/07/24	0.05	1	2.4	33	8.9	20	570	0.34	7.6	0.005	7.4	3	260	1.1	0.05
	18/07/24	0.05	1	22	22	10.3	32	520	0.03	7.7	0.005	6.6	4	230	0.6	0.06
	25/07/24	0.05	1	3.2	37	9.4	10	400	0.13	7.5	0.005	8.1	3	260	0.8	0.1

Quality of river water – July 2024 continued

Site	Sample date	Ammonia-Nitrogen mg N/L	BOD1 mg/L	Chlorophyll A µg/L	COD mg/L	Dissolved Oxygen mg/L	E. Coli Orgs/100ml	Electrical Conductivity µs/cm	Nitrate-Nitrogen mg N/L	pH Units	Phosphate mg P/L	Site Temp C	Suspended Solids mg/L	TDS mg/L	Total Nitrogen mg/L	Total Phosphorus mg P/L
Campaspe River 850m downstream of release point	04/07/24	0.05	1	4.6	22	9.2	63	570	0.34	7.8	0.005	4.7	4	320	0.9	0.07
	11/07/24	0.05	1	3.8	30	8.2	10	570	0.39	7.6	0.005	7.3	2	330	0.5	0.025
	18/07/24	0.05	1	11	28	9.6	36	530	0.03	7.7	0.005	6.8	4	270	0.5	0.09
	25/07/24	0.05	1	3.1	38	8.9	20	420	0.19	7.5	0.005	8	2	280	0.7	0.025
Site	Sample date	Ammonia-Nitrogen mg N/L	BOD1 mg/L	Chlorophyll A µg/L	COD mg/L	Dissolved Oxygen mg/L	E. Coli Orgs/100ml	Electrical Conductivity µs/cm	Nitrate-Nitrogen mg N/L	pH Units	Phosphate mg P/L	Site Temp C	Suspended Solids mg/L	TDS mg/L	Total Nitrogen mg/L	Total Phosphorus mg P/L
Campaspe River 2.5km downstream of release point	04/07/24	0.05	1	6.9	20	10.9	10	550	0.1	7.9	0.005	4.7	1	280	0.4	0.025
	11/07/24	0.05	1	14	29	9.1	20	570	0.31	7.8	0.005	7.2	1	340	0.5	0.025
	18/07/24	0.05	1	46	24	10	91	530	0.32	7.8	0.005	7.3	5	250	1.2	0.11
	25/07/24	0.05	1	4.9	36	9.5	63	430	0.13	7.6	0.005	8	1	270	0.9	0.07
Site	Sample date	Ammonia-Nitrogen mg N/L	BOD1 mg/L	Chlorophyll A µg/L	COD mg/L	Dissolved Oxygen mg/L	E. Coli Orgs/100ml	Electrical Conductivity µs/cm	Nitrate-Nitrogen mg N/L	pH Units	Phosphate mg P/L	Site Temp C	Suspended Solids mg/L	TDS mg/L	Total Nitrogen mg/L	Total Phosphorus mg P/L
Campaspe River 3km downstream of release point	04/07/24	0.05	1	4	21	10.8	63	560	0.06	8	0.005	5.1	1	240	0.4	0.025
	11/07/24	0.05	1	8.5	28	9.1	30	570	0.35	7.8	0.005	7.1	1	320	0.7	0.025
	18/07/24	0.05	1	40	24	10	72	530	0.41	7.8	0.005	7.4	8	280	1	0.12
	25/07/24	0.05	1	4.6	33	9.4	52	440	0.16	7.5	0.005	8.1	4	260	0.8	0.025
Site	Sample date	Ammonia-Nitrogen mg N/L	BOD1 mg/L	Chlorophyll A µg/L	COD mg/L	Dissolved Oxygen mg/L	E. Coli Orgs/100ml	Electrical Conductivity µs/cm	Nitrate-Nitrogen mg N/L	pH Units	Phosphate mg P/L	Site Temp C	Suspended Solids mg/L	TDS mg/L	Total Nitrogen mg/L	Total Phosphorus mg P/L
Campaspe River 11.5km downstream of release point	04/07/24	0.05	1	1.6	21	11.5	31	580	0.005	8.1	0.005	5.5	1	290	0.3	0.025
	11/07/24	0.05	1	2.8	27	10.4	130	600	0.06	8	0.005	7.1	1	350	0.4	0.025
	18/07/24	0.05	1	2.7	28	10.8	43	520	0.07	8	0.005	7.4	2	280	0.5	0.09
	25/07/24	0.05	1	10	32	10.2	110	480	0.21	7.8	0.005	8.1	4	260	0.9	0.025

Kyneton Water Reclamation Plant

Waterway health data



Quality of river water – June 2024

Blue background results are below detection limit for the parameters.

Missing data due to issues with set-up of sampling program.

Site	Sample date	Ammonia-Nitrogen mg N/L	BOD mg/L	Chlorophyll A µg/L	COD mg/L	Dissolved Oxygen mg/L	E. Coli Orgs/100ml	Electrical Conductivity µs/cm	Nitrate-Nitrogen mg N/L	pH Units	Phosphate mg P/L	Site Temp C	Suspended Solids mg/L	TDS mg/L	Total Nitrogen mg/L	Total Phosphorus mg P/L
Campaspe River 750m upstream of release point	06/06/24	0.05	1	1.7	-	9.6	60	530	0.05	7.9	0.005	12.3	4	250	0.5	0.06
	13/06/24	0.05	1	-	-	9.5	610	-	-	7.8	-	-	5	240	0.6	0.09
	20/06/24	0.05	1	2.6	25	11.3	34	460	0.03	7.7	0.005	5.1	1	280	0.6	0.06
	27/06/24	0.05	1	3	17	10.2	19	550	0.03	8	0.005	10.1	4	280	0.4	0.025

Site	Sample date	Ammonia-Nitrogen mg N/L	BOD mg/L	Chlorophyll A µg/L	COD mg/L	Dissolved Oxygen mg/L	E. Coli Orgs/100ml	Electrical Conductivity µs/cm	Nitrate-Nitrogen mg N/L	pH Units	Phosphate mg P/L	Site Temp C	Suspended Solids mg/L	TDS mg/L	Total Nitrogen mg/L	Total Phosphorus mg P/L
Campaspe River 50m upstream of release point	06/06/24	0.05	1	21	18	8.9	20	540	0.31	7.8	0.005	8.4	5	310	1.1	0.1
	13/06/24	0.05	1	-	-	8.6	99	-	-	7.7	-	-	6	310	0.9	0.025
	20/06/24	0.05	1	1.8	22	8.2	7	480	0.82	7.7	0.005	7.2	3	240	2.2	0.15
	27/06/24	0.05	1	1.8	12	8.7	62	550	0.74	8	0.005	7.6	1	200	1.3	0.025

Site	Sample date	Ammonia-Nitrogen mg N/L	BOD1 mg/L	Chlorophyll A µg/L	COD mg/L	Dissolved Oxygen mg/L	E. Coli Orgs/100ml	Electrical Conductivity µs/cm	Nitrate-Nitrogen mg N/L	pH Units	Phosphate mg P/L	Site Temp C	Suspended Solids mg/L	TDS mg/L	Total Nitrogen mg/L	Total Phosphorus mg P/L
Campaspe River 50m downstream of release point	06/06/24	0.05	1	21	18	8.9	20	540	0.31	7.8	0.005	8.4	5	310	1.1	0.1
	13/06/24	0.05	1	-	-	8.6	99	-	-	7.7	-	-	6	310	0.9	0.025
	20/06/24	0.05	1	1.8	22	8.2	7	480	0.82	7.7	0.005	7.2	3	240	2.2	0.15
	27/06/24	0.05	1	1.8	12	8.7	62	550	0.74	8	0.005	7.6	1	200	1.3	0.025

Quality of river water – June 2024 continued

Site	Sample date	Ammonia-Nitrogen mg N/L	BOD1 mg/L	Chlorophyll A µg/L	COD mg/L	Dissolved Oxygen mg/L	E. Coli Orgs/100ml	Electrical Conductivity µs/cm	Nitrate-Nitrogen mg N/L	pH Units	Phosphate mg P/L	Site Temp C	Suspended Solids mg/L	TDS mg/L	Total Nitrogen mg/L	Total Phosphorus mg P/L
Campaspe River 850m downstream of release point	06/06/24	0.05	1	5.8	-	7.5	63	540	0.51	7.7	0.005	8.4	1	280	1.4	0.09
	13/06/24	0.05	1	-	-	7.5	120	-	-	8	-	-	1	290	0.5	0.08
	20/06/24	0.05	1	1.2	26	7.8	44	460	0.54	7.6	0.005	5.4	1	250	1	0.05
	27/06/24	0.05	1	2.2	22	7.1	110	560	0.7	8	0.005	7.3	1	280	1.3	0.025
Site	Sample date	Ammonia-Nitrogen mg N/L	BOD1 mg/L	Chlorophyll A µg/L	COD mg/L	Dissolved Oxygen mg/L	E. Coli Orgs/100ml	Electrical Conductivity µs/cm	Nitrate-Nitrogen mg N/L	pH Units	Phosphate mg P/L	Site Temp C	Suspended Solids mg/L	TDS mg/L	Total Nitrogen mg/L	Total Phosphorus mg P/L
Campaspe River 2.5km downstream of release point	06/06/24	0.05	1	2.8	-	9.2	97	530	0.34	7.8	0.005	8.5	1	280	1	0.08
	13/06/24	0.05	1	-	-	9.2	63	-	-	8.1	-	-	1	290	0.5	0.07
	20/06/24	0.05	1	1.6	20	10.3	29	460	0.54	7.8	0.005	4.9	1	280	1.1	0.05
	27/06/24	0.05	1	5.6	23	9.7	96	530	0.005	8.1	0.005	6.9	1	560	0.4	0.025
Site	Sample date	Ammonia-Nitrogen mg N/L	BOD1 mg/L	Chlorophyll A µg/L	COD mg/L	Dissolved Oxygen mg/L	E. Coli Orgs/100ml	Electrical Conductivity µs/cm	Nitrate-Nitrogen mg N/L	pH Units	Phosphate mg P/L	Site Temp C	Suspended Solids mg/L	TDS mg/L	Total Nitrogen mg/L	Total Phosphorus mg P/L
Campaspe River 3km downstream of release point	06/06/24	0.05	1	2.3	-	9.1	20	520	0.39	7.8	0.005	8.4	2	290	1	0.09
	13/06/24	0.05	1	-	-	9.1	52	-	-	8.1	-	-	4	280	0.6	0.07
	20/06/24	0.05	1	2.7	25	10.9	38	460	0.46	7.8	0.005	4.9	1	240	0.9	0.1
	27/06/24	0.05	1	4.8	20	9.6	31	540	0.005	8.1	0.005	6.8	1	210	0.5	0.025
Site	Sample date	Ammonia-Nitrogen mg N/L	BOD1 mg/L	Chlorophyll A µg/L	COD mg/L	Dissolved Oxygen mg/L	E. Coli Orgs/100ml	Electrical Conductivity µs/cm	Nitrate-Nitrogen mg N/L	pH Units	Phosphate mg P/L	Site Temp C	Suspended Solids mg/L	TDS mg/L	Total Nitrogen mg/L	Total Phosphorus mg P/L
Campaspe River 11.5km downstream of release point	06/06/24	0.05	1	23	-	10.6	63	500	0.005	8.1	0.005	8.8	1	280	0.6	0.09
	13/06/24	0.05	1	-	-	10.5	85	-	-	8.2	-	-	1	300	0.5	0.07
	20/06/24	0.05	1	0.9	17	11.4	46	450	0.02	8	0.005	5.1	1	240	0.4	0.08
	27/06/24	0.05	1	1.2	21	11.1	41	550	0.02	8.2	0.005	7.2	1	140	0.3	0.025