

Environmental Protection Licence EPL 1730 Yass Valley Council, PO Box 6, Yass, NSW 2582

Yass Sewage Treatment Plant, Faulder Avenue, YASS, NSW 2582

Link to Public Register: <https://www.epa.nsw.gov.au/licensing-and-regulation/public-registers/about-prpoeo>

Yass Sewage Treatment Plant Effluent Quality Data since 2012

EPA Sampling Point: 10 (refer site map for Location)			Monitoring Frequency : Monthly								Comment
Date Sampled	Date Results Obtained	Date Results Published	Pollutant								
			Ammonia (as N) mg/L	BOD ₅ mg/L	Faecal Coliform CFU/100mL	pH	Suspended Solids mg/L	Total Oil & Grease mg/L	Total Phosphorus (as P) mg/L	Total Nitrogen (as N) mg/L	
			Limit: 2	Limit: 10	Limit: 200	Limit: 6.5-8.5	Limit: 15	Limit: 2	Limit: 0.3	Limit:10	
12.01.2012	29.05.2012	29.05.2012	0.9	3	6	7.5	6	<1	0.23	4.1	
08.02.2012	29.05.2012	29.05.2012	0.6	5	78	7.6	7	<1	0.24	4.1	
07.03.2012	29.05.2012	29.05.2012	0.5	6	9	7.5	15	<1	0.36	6.1	High inflow due to rain
05.04.2012	29.05.2012	29.05.2012	1	10	17	7.6	3	<1	0.12	4.1	
09.05.2012	29.05.2012	29.05.2012	0.5	<2	8	7.7	4	<1	0.14	5.1	
13.06.2012	21.06.2012	21.06.2012	0.6	3	2	7.7	3	<1	0.13	3.6	
12.07.2012	19.07.2012	19.07.2012	0.4	<2	1	7.6	3	<1	0.10	2.7	
15.08.2012	23.08.2012	23.08.2012	0.2	3	1	7.7	6	<1	0.14	3.3	
04.09.2012	11.09.2012	11.09.2012	0.3	4	<1	7.5	7	<1	0.20	3.7	
04.10.2012	12.10.2012	15.10.2012	0.3	2	1	7.5	11	<1	0.14	3.5	
07.11.2012	15.11.2012	16.11.2012	0.7	6	4	7.3	17	<1	0.28	3.7	
11.12.2012	18.12.2012	18.12.2012	0.5	<2	<1	7.8	6	<1	0.08	3.9	
17.01.2013	24.01.2013	24.01.2013	0.6	<2	110	7.7	10	<1	0.18	3.8	
14.02.2013	21.02.2013	21.02.2013	0.4	<2	23	7.8	6	<1	0.08	2.8	
20.03.2013	26.03.2013	26.03.2013	0.3	2	72	7.9	6	<1	0.09	5	
17.04.2013	26.04.2013	29.04.2013	0.3	3	5	7.7	6	<1	0.10	4.6	
15.05.2013	22.05.2013	22.05.2013	0.4	2	6	7.9	7	<1	0.2	4.6	
13.06.2013	21.06.2013	21.06.2013	0.4	<2	2	7.5	8	<1	0.14	4	
11.07.2013	17.07.2013	17.07.2013	0.3	3	<1	7.7	10	<1	0.18	4.3	
07.08.2013	14.08.2013	14.08.2013	0.4	<2	2	7.5	8	<1	0.16	5.6	
11.09.2013	18.09.2013	18.09.2013	0.4	<2	<1	7.6	8	<1	0.06	3.4	
10.10.2013	21.10.2013	22.10.2013	0.4	3	2	7.6	9	<1	0.14	4.7	
13.11.2013	22.11.2013	25.11.2013	0.4	5	61	7.2	11	<1	0.20	3.7	
18.12.2013	02.01.2014	06.01.2014	0.5	3	14	7.56	8	<1	0.18	3.06	
22.01.2014	03.02.2014	03.02.2014	0.5	3	340	7.9	8	<1	0.37	5.04	Some UV lamps defective, High summer temperature
27.02.2014	06.03.2014	06.03.2014	0.3	<2	55	7.84	5	<1	0.11	3.92	

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			Limit: 2	Limit: 10	Limit: 200	Limit: 6.5-8.5	Limit: 15	Limit: 2	Limit: 0.3	Limit:10	
19.03.2014	27.03.2014	27.03.2014	0.5	<2	82	7.77	6	<1	0.07	4.15	
10.04.2014	22.04.2014	22.04.2014	0.4	3	720	7.56	6	<1	0.1	4.37	Dead Turtle in UV Chamber
08.05.2014	19.05.2014	20.05.2014	0.6	<2	620	7.49	7	<1	0.13	4.41	
26.06.2014	07.07.2014	08.07.2014	0.5	<2	3680	7.43	6	<1	0.04	4.54	High Faecal Coliform results being investigated
17.07.2014	24.07.2014	24.07.2014	0.3	<2	<2	7.39	8	<1	0.1	2.81	
07.08.2014	15.08.2014	18.08.2014	0.4	<2	4	7.56	12	<1	0.25	4.44	
11.09.2014	18.09.2014	19.09.2014	0.4	4	<1	7.33	12	<1	0.20	2.21	
16.10.2014	28.10.2014	29.10.2014	0.7	3	<1	7.43	6	<1	0.08	2.90	
20.11.2014	01.12.2014	01.12.2014	0.8	2	<2	7.62	6	<1	0.17	5.14	
11.12.2014	22.12.2014	23.12.2014	0.7	<2	13	7.74	83	<1	0.08	3.4	
15.01.2015	22.01.2015	23.01.2015	0.5	<2	10	7.72	5	<1	0.08	3.47	
12.02.2015	20.02.2015	23.02.2015	0.8	<2	<2	7.53	8	<1	0.15	3.72	
12.03.2015	24.03.2015	24.03.2015	0.4	3	68	7.68	9	<1	0.17	3.48	
16.04.2015	28.04.2015	28.04.2015	0.3	<2	<2	7.67	6	<1	0.17	4.69	
14.05.2015	26.05.2015	26.05.2015	0.5	<2	<1	7.98	9	<1	0.18	4.51	
25.06.2015	08.07.2015	10.07.2015	0.9	4	2	7.82	12	<1	0.19	3.44	
16.07.2015	24.07.2015	27.07.2015	0.5	<2	<1	7.54	13	<1	0.21	8.08	
13.08.2015	24.08.2015	25.08.2015	0.6	<2	1	7.54	12	<1	0.22	8.89	
30.09.2015	13.10.2015	14.10.2015	23.8	5	<2	7.86	14	<1	0.27	27.7	Cause of high ammonia and nitrogen being investigated
15.10.2015	23.10.2015	26.10.2015	1.7	2	<2	7.79	12	<1	0.20	3.46	
11.11.2015	18.11.2015	20.11.2015	0.9	3	<1	7.77	13	<1	0.29	2.83	
02.12.2015	08.12.2015	09.12.2015	0.7	2	3	7.69	8	<1	0.18	3.09	
13.01.2016	20.01.2016	28.01.2016	1.0	2	500	7.89	10	<1	0.29	3.44	Some UV lamps defective, High summer temperature
25.02.2016	07.03.2016	07.03.2016	0.4	<2	166	8.22	10	<1	0.29	4.12	

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			Limit: 2	Limit: 10	Limit: 200	Limit: 6.5-8.5	Limit: 15	Limit: 2	Limit: 0.3	Limit:10	
17.03.2016	29.03.2016	30.03.2016	0.4	<2	92	7.96	9	<1	0.44	4.30	
27.04.2016	05.05.2016	06.05.2016	0.5	4	4	7.96	14	<1	0.49	5.69	
26.05.2016	10.06.2016	14.06.2016	0.5	<2	<2	7.60	12	<1	0.15	5.21	
22.06.2016	06.07.2016	06.07.2016	2.6	<2	<1	7.08	13	<1	0.13	7.62	
14.07.2016	22.07.2016	25.07.2016	16.6	<2	<1	7.63	13	<1	0.04	18.8	Cause of high ammonia and nitrogen being investigated
11.08.2016	24.08.2016	25.08.2016	19.8	<2	<1	7.44	12	<1	0.09	23.2	
08.09.2016	19.09.2016	20.09.2016	17.2	2	<1	7.39	21	<1	0.19	19.3	Cause of high ammonia and total nitrogen being investigated and measures implemented to reduce them
12.10.2016	18.10.2016	19.10.2016	10.6	4	<2	7.43	14	<1	0.15	13.9	
17.11.2016	28.11.2016	29.11.2016	0.7	4	<2	7.81	16	<1	0.24	3.04	
07.12.2016	13.12.2016	14.12.2016	0.7	4	<1	7.51	10	<1	0.17	2.85	
12.01.2017	18.01.2017	19.01.2017	0.5	<2	<1	7.62	11	<1	0.16	3.52	
09.02.2017	16.02.2017	17.02.2017	0.4	3	20	7.63	12	<1	0.10	3.67	
09.03.2017	20.03.2017	22.03.2017	0.6	<2	10	7.80	7	<1	0.08	4.83	
06.04.2017	20.04.2017	26.04.2017	0.6	<2	<2	7.81	11	<1	0.09	3.50	
04.05.2017	11.05.2017	12.05.2017	0.6	<2	<2	7.70	20	<1	0.17	5.00	
19.06.2017	27.06.2017	28.06.2017	0.3	<2	<1	7.77	15	<1	0.10	3.50	
20.07.2017	28.07.2017	31.07.2017	0.8	3	<1	7.68	15	<1	0.16	4.13	
24.08.2017	31.08.2017	01.09.2017	0.2	4	<2	7.76	19	<1	0.20	3.11	
12.09.2017	20.09.2017	21.07.2017	0.7	4	<1	7.66	24	<1	0.23	4.07	
12.10.2017	20.10.2017	24.10.2017	0.9	2	<2	7.85	20	<1	0.29	3.15	
16.11.2017	24.11.2017	27.10.2017	1.2	2	<2	7.85	14	<1	0.12	3.52	
13.12.2017	19.12.2017	21.12.2017	0.5	4	1	7.70	11	<1	0.12	3.62	
10.01.2018	22.01.2018	23.01.2018	0.6	4	<2	7.61	15	<1	0.18	4.47	
08.02.2018	19.02.2018	20.02.2018	0.5	5	<2	7.46	14	<1	0.12	3.23	

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Limit: 2	Limit: 10	Limit: 200	Limit: 6.5-8.5	Limit: 15	Limit: 2	Limit: 0.3	Limit:10				
08.03.2018	21.03.2018	22.03.2018	0.7	4	<2	7.74	15	<1	0.06	4.56	
12.04.2018	21.04.2018	01.05.2018	0.7	<2	<1	7.52	11	<1	0.14	4.22	
29.05.2018	06.06.2018	07.06.2018	1.0	2	<2	7.71	14	<1	0.33	4.47	
14.06.2018	21.06.2018	22.06.2018	0.4	<2	<2	7.78	13	<1	0.21	5.01	
12.07.2018	20.07.2018	23.07.2018	0.3	<2	<2	7.66	29	<1	0.27	9.8	
06.08.2018	23.08.2018	27.08.2018	0.5	<2	<2	7.50	22	<1	0.24	10.4	Cause of high SS and T-N are being investigated and measures are being implemented.
06.09.2018	14.09.2018	17.09.2018	0.3	<2	<2	7.74	16	<1	0.15	5.39	
04.10.2018	18.10.2018	22.10.2018	<0.1	<2	2	7.82	15	<1	0.14	4.6	
08.11.2018	23.11.2018	26.11.2018	0.8	<2	5	7.63	18	<1	0.20	7.15	
06.12.2018	18.12.2018	20.12.2018	0.3	<2	<1	7.79	12	<1	0.09	3.43	
03.01.2019	16.01.2019	17.01.2019	0.4	<2	2	7.55	8	<1	0.04	4.09	
07.02.2019	20.02.2019	21.02.2019	0.4	<2	34	7.70	6	<1	0.06	4.35	
28.03.2019	12.04.2019	12.04.2019	0.2	2	<2	7.54	15	<1	1.96	5.68	High T-P is an anomaly and is being investigated
09.04.2019	02.05.2019	14.05.2019	0.4	<2	82	7.55	19	<1	2.99	5.42	High T-P is an anomaly and is being investigated
09.05.2019	23.05.2019	30.05.2019	0.5	3	<1	7.15	10	<1	0.16	8.89	
06.06.2019	21.06.2019	25.06.2019	0.3	<2	<1	7.16	11	<1	0.19	4.97	
11.07.2019	25.07.2019	12.08.2019	<0.1	2	<2	7.23	16	<1	0.15	4.63	
07.08.2019	17.08.2019	20.08.2019	2.6	<2	<2	7.26	17	<1	0.20	7.28	High Ammonia is being investigated. Higher suspended solids are due to algal matter during drought-like conditions
04.09.2019	13.09.2019	17.09.2019	2.2	<2	<1	7.50	12	<1	0.07	5.45	High Ammonia is being investigated

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			Limit: 2	Limit: 10	Limit: 200	Limit: 6.5-8.5	Limit: 15	Limit: 2	Limit: 0.3	Limit:10	
02.10.2019	11.10.2019	14.10.2019	1.5	2	<1	7.15	16	<1	0.15	4.86	Higher suspended solids are due to algal matter during drought-like conditions
13.11.2019	22.11.2019	26.11.2019	1.4	2	<2	7.84	11	<1	0.08	4.18	
03.12.2019	16.12.2019	19.12.2019	1.3	2	<1	7.52	11	<1	0.08	4.64	
09.01.2020	24.01.2020	30.01.2020	0.3	<2	2	7.73	20	<1	0.19	3.12	Higher suspended solids are due to algal matter during drought-like conditions
13.02.2020	26.02.2020	27.03.2020	0.3	<2	<1	7.31	13	<1	0.11	4.14	
11.03.2020	24.03.2020	27.03.2020	0.3	<2	<1	7.68	5	<1	0.09	4.27	
15.04.2020	29.04.2020	30.04.2020	0.5	<2	<1	7.48	13	<1	0.06	4.49	
14.05.2020	25.05.2020	25.05.2020	0.3	<2	2	7.49	17	<1	0.10	4.29	Sloughing-off from Catch Balance Pond caused higher SS
10.06.2020	18.06.2020	23.06.2020	0.4	3	<1	7.46	15	<1	0.10	3.99	
09.07.2020	20.07.2020	21.07.2020	1.0	<2	<1	7.45	16	<1	0.12	4.02	Sloughing-off from Catch Balance Pond caused higher SS
19.08.2020	27.08.2020	28.08.2020	11.2	5	3	7.66	38	<1	0.19	15.2	Extreme wet weather and prevailing cold temperature caused SS and Nitrogen exception
17.09.2020	28.09.2020	29.09.2020	0.2	<2	<1	7.97	4	<1	0.08	4.29	
14.10.2020	21.10.2020	22.10.2020	1.3	3	9	6.86	9	<1	0.12	4.29	
23.11.2020	02.12.2020	03.12.2020	0.5	3	200	7.24	5	<1	0.08	2.91	
16.12.2020	30.12.2020	04.01.2021	0.7	<2	<1	7.73	3	<1	0.09	4.7	
15.01.2021	25.01.2021	27.01.2021	1.0	3	<1	7.27	6	<1	0.12	4.16	
03.02.2021	12.02.2021	15.02.2021	0.8	<2	7	7.43	6	<1	0.16	5	
04.03.2021	16.03.2021	17.03.2021	1.4	<2	4	7.81	6	<1	0.16	4.6	

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14.04.2021	21.04.2021	23.04.2021	1.1	8	22	7.59	11	<1	0.41	4.07	Rectified alum dosing that caused increase in phosphorus reading
20.05.2021	28.05.2021	31.05.2021	3.4	3	<1	6.74	16	<1	0.11	6.83	SS exceeded marginally. Prevailing cold temperature caused exception of Ammonia.
10.06.2021	22.06.2021	24.06.2021	8.0	<2	<1	7.06	18	<1	0.16	10.3	SS and Total Nitrogen exceeded marginally. Prevailing cold temperature caused exception of Ammonia.
14.07.2021	22.07.2021	30.07.2021	17.8	<2	<1	7.39	16	<1	0.02	17.8	Prevailing cold temperature may have caused exception of Ammonia. Exceedance of Total Nitrogen appears to be a laboratory error and is being investigated. SS exceeded marginally.
04.08.2021	12.08.2021	17.08.2021	8.4	<2	14	7.58	13	<1	0.14	12.2	Prevailing cold temperature may have caused exception of Ammonia. Total Nitrogen exceeded marginally.
22.09.2021	30.09.2021	05.10.2021	0.2	2	2	7.44	5	<1	0.26	3.88	
22.10.2021	02.11.2021	03.11.2021	0.6	<2	<1	6.92	11	<1	0.09	3.37	
03.11.2021	11.11.2021	12.11.2021	0.6	3	<1	7.71	6	<1	0.17	4.11	
08.12.2021	17.12.2021	20.12.2021	1.0	9	920	6.92	18	<1	0.32	3.51	Heavy overnight rainfall on 7th December and on the day of sampling increased SS an T-P. E.coli exceedance was due to the malfunction of UV transmitter (HIPPO) which was repaired on 16th December
05.01.2022	13.01.2022	14.01.2022	1.1	2	<2	6.77	7	<1	0.16	2.66	

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Limit: 2	Limit: 10	Limit: 200	Limit: 6.5-8.5	Limit: 15	Limit: 2	Limit: 0.3	Limit:10				
02.02.2022	10.02.2022	10.02.2022	0.7	3	1	7.29	7	<1	0.2	2.59	
03.03.2022	15.03.2022	17.03.2022	0.6	2	<2	7.44	8	<1	0.23	2.3	
08.04.2022	22.04.2022	26.04.2022	2.5	4	332	7.8	19	<1	0.31	8.36	Due to the rainfall on the day of sampling SS, Ammonia and T-P exceeded marginally. E.coli exceedance was due to the malfunction of UV wipers. It's been under process of repair and waiting for required parts availability.
11.05.2022	20.05.2022	24.05.2022	0.6	<2	1	7.92	6	<1	0.24	4.36	
15.06.2022	22.06.2022	23.06.2022	0.8	3	<1	6.86	10	<1	0.10	4.27	
06.07.2022	06.07.2022	14.07.2022	0.4	3	1	7.48	6	<1	0.18	3.27	
29.08.2022	06.09.2022	06.09.2022	0.7	26	290	7.24	37	<1	0.86	3.89	The T-P exceeded due to malfunction of alum dosing pump and pumps were rectified. Accumulation of sludge in the catch Balance Pond due to recurring wet weather caused BOD, E.coli and SS. Catch Balance Pond is scheduled for cleaning in early September.
14.09.2022	23.09.2022	26.09.2022	0.6	3	<2	8.01	9	<1	0.21	3.81	
05.10.2022	14.10.2022	17.10.2022	0.4	3	84	7.35	8	<1	0.16	2.6	
03.11.2022	15.11.2022	22.11.2022	0.5	3	1860	7.71	10	<1	0.16	10.2	E.coli exceedance was due to malfunctioning of UV lamps and a service call is scheduled for let November. T-N exceeded marginally due to ongoing wet weather.

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Link to Public Register: <https://www.epa.nsw.gov.au/licensing-and-regulation/public-registers/about-prpoeo>

Yass Sewage Treatment Plant Effluent Quality Data since 2012

EPA Sampling Point: 10 (refer site map for Location)			Monitoring Frequency : Monthly								
Date Sampled	Date Results Obtained	Date Results Published	Pollutant								Comment
			Ammonia (as N) mg/L	BOD ₅ mg/L	Faecal Coliform CFU/100mL	pH	Suspended Solids mg/L	Total Oil & Grease mg/L	Total Phosphorus (as P) mg/L	Total Nitrogen (as N) mg/L	
			Limit: 2	Limit: 10	Limit: 200	Limit: 6.5-8.5	Limit: 15	Limit: 2	Limit: 0.3	Limit:10	
05.12.2022	16.12.2022	16.12.2022	1.0	3	2	7.51	14	<1	0.34	4.85	T-P exceeded marginally due to sloughing off from UV channel and Catch Balance pond.
05.01.2023	17.01.2023	17.01.2023	1.8	3	18	7.57	11	<1	0.33	3.94	T-P exceeded marginally due to sloughing off from UV channel and Catch Balance pond.
02.02.2023	13.02.2023	14.02.2023	0.9	<2	<2	7.48	8	<1	0.15	3.91	
09.03.2023	21.03.2023	21.03.2023	0.8	2	<2	7.58	6	<1	0.10	4.76	
20.04.2023	05.05.2023	08.05.2023	21.2	4	550	7.43	6	<1	0.21	21.9	Operational measurements of Ammonia, T- N & T-P was below the limits. However, intermittent failure of aerators at the STP may have resulted in the exceedance of Ammonia, T-N & E.coli. The aerator issues were inspected and resolved on 2 May 2023.
04.05.2023	12.05.2023	15.05.2023	0.4	<2	2	8.05	3	<1	0.09	4.39	
13.06.2023	21.06.2023	22.06.2023	0.6	<2	<2	7.26	14	<1	0.79	3.9	Non-conformance of T-P, Due to malfunction of alum dosing system. Scheduled for repair
14.07.2023	26.07.2023	26.07.2023	0.2	<2	<2	7.24	6	<1	0.11	5.13	
03.08.2023	15.08.2023	17.08.2023	1.1	<2	<2	7.37	8	<1	0.15	12.2	T-N marginally exceeded the limit. Operational monitoring was within limits and this will be further investigated.

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Yass Sewage Treatment Plant Effluent Quality Data since 2012

EPA Sampling Point: 10 (refer site map for Location)							Monitoring Frequency : Monthly				
Date Sampled	Date Results Obtained	Date Results Published	Pollutant								Comment
			Ammonia (as N) mg/L	BOD ₅ mg/L	Faecal Coliform CFU/100mL	pH	Suspended Solids mg/L	Total Oil & Grease mg/L	Total Phosphorus (as P) mg/L	Total Nitrogen (as N) mg/L	
			Limit: 2	Limit: 10	Limit: 200	Limit: 6.5-8.5	Limit: 15	Limit: 2	Limit: 0.3	Limit:10	
06.09.2023	15.09.2023	18.09.2023	1.2	<2	<2	7.92	6	<1	0.12	4.73	
12.10.2023	23.10.2023	24.10.2023	0.2	<2	34	7.74	6	<1	0.10	3.6	
08.11.2023	20.11.2023	21.11.2023	<0.1	<2	1	8	6	<1	0.08	3.64	
07.12.2023	19.12.2023	19.12.2023	0.5	<2	2	7.88	7	<1	0.09	4.29	
11.01.2024	19.01.2024	22.01.2024	0.6	5	60	7.67	9	<1	0.21	4.7	
08.02.2024	19.02.2024	19.02.2024	0.6	3	250	7.29	11	<1	0.20	5.2	Faecal Coliform exceeded the limit due to malfunctioning of UV lamps. It's been resolved lately.
06.03.2024	18.03.2024	20.03.2024	0.4	4	<2	7.54	8	<1	0.14	5.01	
11.04.2024	22.04.2024	10.05.2024	0.7	<2	54	7.3	4	<1	0.18	8.76	
09.05.2024	15.05.2024	16.05.2024	0.9	<2	46	7.49	15	<1	0.28	4.04	
05.06.2024	14.06.2024	18.06.2024	2.1	4	6	7.8	4	<1	0.23	6.25	Ammonia marginally exceeded the limit. Operational monitoring results were within the limit in the following week.
04.07.2024	11.07.2024	12.07.2024	1.6	3	132	7.82	8	<1	0.21	4.33	
08.08.2024	21.08.2024	22.08.2024	0.5	3	<2	7.78	12	<1	0.33		
04.09.2024	13.09.2024	16.09.2024	0.9	8	<2	7.26	14	31	0.38	3.62	
10.10.2024	21.10.2024	25.11.2024	1.3	5	<2	7.23	12	<1	0.13	2.94	
14.11.2024	25.11.2024	25.11.2024	0.3	<2	64	7.96	6	<1	0.25	3.8	
04.12.2024	13.12.2024	18.12.2024	0.3	3	20	7.66	4	<1	0.19	3.7	