

Hunter Water Typical Composition of Supplied Drinking Water - updated August 2025

This table provides a summary of Water Treatment Plant and water network quality data for the 5-year period 1 June 2020 to 31 May 2025

Parameter	Units	Lab Limit of Detection (Note 1)	Australian Drinking Water		Water Treatment Plant / Source																			
					Dungog			Grahamstown / Tomago Sandbeds			Lemon Tree Passage			Anna Bay			Nelson Bay			Gresford			Central Coast	
			Health	Aesthetic	5th Percentile	Median	95th Percentile	5th Percentile	Median	95th Percentile	5th Percentile	Median	95th Percentile	5th Percentile	Median	95th Percentile	5th Percentile	Median	95th Percentile	5th Percentile	Median	95th Percentile	Average	95th Percentile
Alkalinity at pH 4.5 as Calcium Carbonate	mg/L	1			36.0	39.0	44.0	19.0	24.0	40.0	48.0	57.0	58.0	42.0	45.0	49.9	15.3	17.5	19.8	-	-	-	-	-
Aluminium	mg/L	0.005		0.2	0.028	0.031	0.061	0.025	0.028	0.030	0.032	0.044	0.063	0.092	0.131	0.165	0.018	0.033	0.038	0.010	0.010	0.030	0.050	0.100
Antimony	mg/L	0.0002	0.003		<0.0002	<0.0002	0.0002	<0.0002	0.0002	0.0002	<0.0002	<0.0002	0.0002	<0.0002	<0.0002	0.0002	<0.0002	<0.0002	0.0002	<0.005	0.0050	0.0060	<0.001	<0.001
Arsenic	mg/L	0.0002	0.01		0.0002	0.0003	0.0005	0.0003	0.0004	0.0005	0.0002	0.0003	0.0004	<0.0002	<0.0002	0.0003	<0.0002	<0.0002	0.0003	0.0003	0.0006	0.0014	<0.001	0.005
Barium	mg/L	0.0005	2		0.0085	0.0093	0.0102	0.0147	0.0163	0.0178	0.0132	0.0145	0.0154	0.0155	0.0174	0.0185	0.0120	0.0136	0.0178	0.0060	0.0090	0.0120	0.016	0.030
Beryllium	mg/L	0.0002	0.06		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	-	-	-	-	-
Boron	mg/L	0.001	4		<0.001	0.006	0.009	0.021	0.025	0.032	0.007	0.012	0.019	0.007	0.011	0.014	0.006	0.009	0.013	0.005	0.012	0.016	<0.1	<0.1
Cadmium	mg/L	0.0002	0.002		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0005
Calcium	mg/L	0.1			15.0	17.3	23.0	12.0	13.1	22.0	4.0	23.9	26.7	14.9	18.0	20.9	0.8	1.1	7.3	17.5	20.3	24.5	15.0	22.0
Chloride	mg/L	5		250.0	6.0	10.0	12.0	35.9	38.0	46.0	23.9	28.0	32.0	39.9	44.0	47.1	41.9	45.5	50.1	15.8	28.0	32.0	37.0	49.0
Chlorine	mg/L	0.1	5	0.6	1.3	1.4	1.6	1.0	1.3	1.7	1.1	1.9	2.6	1.4	1.6	1.7	1.3	1.9	2.4	1.0	1.3	1.6	1.4	1.9
Chromium	mg/L	0.0002	0.05		<0.0002	<0.0002	0.0007	<0.0002	<0.0002	0.0002	<0.0002	<0.0002	0.0003	0.0003	0.0005	0.0013	<0.0002	<0.0002	0.0003	<0.0002	<0.0002	<0.0002	<0.005	<0.005
Conductivity	mS/cm	0.01			127	135	149	245	256	286	195	215	229	247	257	266	207	212	283	211	263	333	-	-
Colour (True)	Hazen Units	5			0.6	1.5	2.4	1.3	2.6	3.7	2.1	3.2	4.3	0.1	0.5	1.1	0.1	0.4	1.0	1.7	3.8	8.3	1.2	4.0
Copper	mg/L	0.0002	2	1.0	0.0002	0.0010	0.0060	0.0004	0.0013	0.0069	0.0003	0.0038	0.0079	0.003	0.006	0.020	0.0029	0.0042	0.0072	0.0033	0.0071	0.0274	0.070	0.240
Cyanide	mg/L	0.004	0.08		<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	0.006	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	-	-	-	-	-
Fluoride	mg/L	0.02	1.5		0.03	0.97	1.03	0.09	0.99	1.03	0.94	0.98	1.03	0.94	0.98	1.02	0.93	0.98	1.02	0.10	0.13	0.17	0.390	0.990
Hardness as Calcium Carbonate (Note 2)	mg/L	1			39.0	49.0	61.1	46.0	55.9	74.2	18.5	68.0	76.6	49.4	60.9	66.7	12.0	17.1	34.6	13.9	19.5	24.6	57.0	69.0
Iron	mg/L	0.002		0.3	0.015	0.023	0.037	0.010	0.013	0.038	0.021	0.039	0.086	0.05	0.08	0.12	0.026	0.067	0.143	0.050	0.060	0.110	0.025	0.090
Lead	mg/L	0.0002	0.005		<0.0002	<0.0002	0.0003	<0.0002	<0.0002	0.0004	<0.0002	0.0002	0.0003	<0.0002	0.0003	0.0008	0.0002	0.0003	0.0004	<0.0002	0.0002	0.0003	<0.002	0.002
Magnesium	mg/L	0.1			1.0	1.5	2.0	4.0	5.3	6.1	1.8	2.0	2.3	3.0	3.3	4.2	3.0	3.4	4.0	6.0	8.3	10.6	3.8	4.9
Manganese	mg/L	0.0005	0.1	0.05	0.001	0.003	0.009	0.002	0.005	0.015	0.008	0.012	0.017	0.003	0.005	0.008	0.001	0.003	0.006	0.001	0.003	0.047	0.017	0.056
Mercury	mg/L	0.0001	0.001		<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.0003	0.0004
Molybdenum	mg/L	0.0002	0.05		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0002	<0.0002	<0.0002	0.0002	0.0002	0.0002	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0002	0.0005	<0.005	0.006
Nickel	mg/L	0.0002	0.02		<0.0002	<0.0002	0.0002	<0.0002	0.0003	0.0008	<0.0002	<0.0002	0.0003	0.0002	0.0004	0.0007	<0.0002	<0.0002	0.0003	<0.0003	0.0002	0.0004	<0.01	<0.01
Nitrate	mg/L	0.005	50		0.010	0.070	0.124	0.024	0.056	0.120	0.124	0.150	0.166	0.279	0.620	1.025	0.062	0.089	0.193	0.025	0.088	0.357	1.30	2.00
Nitrite	mg/L	0.003	3		<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	0.003	<0.003	<0.003	0.003	<0.003	<0.003	<0.003	<0.1	<0.1
pH	pH units	0-14		6.5-9.2	7.4	7.5	7.6	7.3	7.4	7.5	7.4	7.5	7.6	7.3	7.5	7.6	7.3	7.4	7.5	7.6	8.3	8.9	7.71	7.5-8.0
Potassium	mg/L	0.1			0.9	1.2	1.5	2.6	3.6	3.9	0.6	0.8	1.0	1.1	1.6	1.8	1.3	1.7	1.9	-	-	-	-	-
Selenium	mg/L	0.0002	0.004		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0002	0.0003	0.0005	<0.0002	0.0002	0.0003	<0.0002	<0.0002	<0.0002	0.0024	0.0035
Silica (Note 3)	mg/L	0.01		80	3.8	14.8	17.3	0.3	1.1	3.7	7.1	7.7	8.7	9.5	10.0	11.1	8.1	9.5	9.9	-	-	-	-	-
Silver	mg/L	0.001	0.1		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.002
Sodium	mg/L	0.1		180	7.3	7.9	9.8	24.7	28.0	30.5	15.1	16.3	34.5	25.4	27.4	30.1	26.1	35.9	47.8	21.6	25.9	29.9	32.0	53.0
Sulphate	mg/L	0.002		250	5.0	9.0	17.0	27.9	32.5	36.0	3.0	4.0	5.1	5.0	7.0	10.0	6.0	8.5	15.9	5.2	8.5	11.0	36.0	64.0
Total Dissolved Solid	mg/L	1		600	68.2	97.5	127.6	130.7	157.5	193.0	106.4	132.0	170.5	124	134	144	107.100	139.000	177.000	127.5	162.5	235.7	133.0	158.0
Phosphorus	mg/L	0.005			0.005	0.007	0.018	<0.005	<0.005	0.010	<0.005	0.005	0.013	<0.005	0.008	0.019	<0.005	<0.005	0.012	-	-	-	-	-
Total Suspended Sol	mg/L	1			<1	<1	2	<1	<1	<1	<1	<1	1.1	<1	<1	1.1	<1	<1	1.0	-	-	-	-	-
Tin	mg/L	0.0002			<0.0002	<0.0002	0.0003	<0.0002	<0.0002	0.0004	<0.0002	<0.0002	0.0002	<0.0002	<0.0002	0.0003	<0.0002	<0.0002	0.0003	-	-	-	-	-
Turbidity	NTU	0.1		5	0.18	0.40	0.45	0.15	0.21	0.31	0.17	0.36	0.60	0.44	0.69	1.00	0.06	1.91	2.37	0.03	0.07	0.38	0.44	1.10
Zinc	mg/L	0.001		3	0.001	0.002	0.005	0.001	0.002	0.005	0.001	0.002	0.003	0.006	0.007	0.019	0.002	0.003	0.007	<0.001	0.025	0.006	0.031	0.070

(1) Hunter Water's LOR only, not Central Coast Council's. CCC data taken from CCC website.

(2) Combined content of Calcium Carbonate (CaCO₃) as alkalinity and hardness, should maintain total CaCO₃ to <200 mg/L.

(3) To minimise scale buildup, Silica should not exceed 80 mg/L.