Parameter	Units	Lab Limit of Detection *(Note 1)*	ADWG		Water Treatment Plant / Source																		
					Dungog			Grahamstown			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 *(Note 2)*	*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
Berylium	*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 3)*	*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 (Note 4)	*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 5)*	*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 Solids	*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 Solids	*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's).

(2) Grahamstown Water Treatment Plant treats water from Grahamstown Dam or Tomago Sandbed sources or a blend of both. Composition varies depending on the source/s. Typical Alkalinity of water supplied by Grahamstown WTP ranges from 16 to 52 mg/L.

(3) Contributes to water hardness. Combined content should maintain hardness at <200 mg/L as $CaCO_3$.

(4) pH within the distribution system (i.e. at customers' taps) is typically slightly higher than pH leaving the water treatment plants.

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